## OFFICIAL COPY.

# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

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General Register Office, Somerset House, January 9th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 19·1 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	and l	Weeks	endin	g		107	Weeks	endin	g
Towns.	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.	Towns.	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	15·2 15·7 18·4 15·3 14·9 14·1 15·3 12·4 14·7 11·7 10·9 14·6 13·5 15·8 12·0	14·3 19·0 17·6	20·9 23·5 23·4 17·8 18·8 16·5 16·2 14·1 12·6 16·9 24·6 14·6 13·7 19·3	21·9 15·2 16·1 18·0 15·7 12·6 15·9 14·7 12·7 27·7 14·6 18·0	Leicester Liverpool London Manchester - Newcastle-on-Tyne Norwich Nottingham Oldham Plymouth Preston Salford Sheffield Sunderland - Swansea - West Ham - Wolverhampton	19·9 16·5 20·9 14·3 15·9 21·9 14·4 17·9 16·8 17·9 15·5 18·4 21·7 21·5 16·4	17:0 23:0 18:9 15:4 20:8 20:4 18:4 14:2 21:1 25:4 17:0 30:2	23·1 18·4 23·3 21·3 19·6 17·2 23·6 22·6 16·2 19·3 17·4 19·2 21·0 19·5	23·8 19·1 22·1 22·6 19·8 19·6 11·6 16·4 23·5 22·2 11·2 21·5 22·6 15·1

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in West Ham, in Bolton, and in Salford, 1.2 in Manchester, and 2.4 in Nottingham; and from whooping-cough, 1.1 in Halifax. In none of the thirty-three towns did the death-rate from scarlet fever, from "fever," or from diarrhea, reach 1.0 per 1000. The 96 deaths from diphtheria included 30 in London, 11 in Swansea, 10 in Leeds, 9 in Liverpool, 6 in Sheffield, 5 in West Ham, 4 in Manchester, and 3 in Portsmouth. No death from small-pox was registered in any of the thirty-three towns.

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

#### LONDON.

In LONDON\* 2893 BIRTHS and 1666 DEATHS were registered. Allowing for increase of population, the births were 68, and the deaths 504, below the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been 16.5, 17.0, and 18.4 in the preceding three weeks, further rose last week to 19.1. During the four weeks ending on Saturday last the death-rate averaged 17.8 per 1000, being 5.1 per 1000 below the mean rate in the corresponding periods of the ten years 1889-98.

The 1666 deaths included 27 from measles, 11 from scarlet fever, 30 from diphtheria, 41 from whooping-cough, 17 from enteric fever, 13 from diarrheea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 139 deaths were referred to these diseases, being 97 below the corrected

average weekly number.

The deaths from measles, which had been 31, 24, and 31 in the preceding three weeks, fell again last week to 27, and were 48 below the corrected average; 7 cases belonged to Mile End Old Town sanitary area. The deaths from scarlet fever, which had been 6, 14, and 12 in the preceding three weeks, further fell last week to 11, and were 11 below the corrected average. The deaths from diphtheria, which had been 40, 46, and 47 in the preceding three weeks, fell last week to 30, and were 19 below the corrected average; 5 cases belonged to Newington and 3 to Bermondsey sanitary areas. The deaths from whooping-cough, which had been 26, 21, and 32 in the preceding three weeks, further rose last week to 41, but were 26 below the corrected average; 10 cases belonged to Newington, 6 to Islington, and 5 to Chelsea sanitary areas. The fatal cases of enteric fever, which had been 19, 21, and 15 in the preceding three weeks, rose again last week to 17, and were 5 above the corrected average; 2 cases belonged to Fulham and 2 to Clerkenwell sanitary areas. The deaths from diarrhea, which had been 13, 19, and 14 in the preceding three weeks, were 13 last week, the corrected average being 12. The death of a general warehouseman, aged 34 years, in Collett Road, Bermondsey, was certified to be due to malignant pustule. The deaths referred to diseases of the respiratory organs, which had been 283, 284, and 306 in the preceding three weeks, further rose last week to 365, but were 311 below the corrected average. The deaths attributed directly to influenza numbered 17, having been 13, 12, and 15 in the preceding three weeks.

Different forms of violence caused 82 deaths, concerning all but 1 of which inquests were held. Of these 82 deaths, 19 were cases of suicide, and 1 of execution, while the remaining 62 were attributed to accident or negligence. Six of these were referred to vehicles in the streets, 6 to burns and scalds, 5 to drowning, and 16 of infants under one year of age)

to suffocation in bed.

# CASES OF INFECTIOUS SICKNESS IN HOSPITALST.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2912 cases of scarlet fever, 1256 of diphtheria, and 254 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow: -Of scarlet fever, 291 cases, against 260, 221, and 225; of diphtheria, 156 cases, against 155, 171, and 166; and of enteric fever, 36 cases, against 43, 40, and 30.

<sup>\*</sup>Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

DEATHS of PERSONS BELONGING to LONDON and its SANITARY AREAS, REGISTERED in the 13 WEEKS ENDING 31st DECEMBER, 1898.

Part of the later		1	Death	s from	m Pri	ncipa	l Zyr	notie	Diseas	ses.		Infants Year of	1 Year Births
SANITARY AREAS.	Total Deaths from all Causes	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping cough.	Typhus.	Enteric Fever.	Simple and undefined Fever.	Diarrhœa.	Deaths from Phthisis.	Deaths of Infi under 1 Year Age.	nder 00 red.
REGISTRATION LONDON	18,804	1	264	138	506	240	1	271	3	470	1,975	4,455	137
West.  Paddington	479 584 411 464 369 242 219 93	1	- 2 1 1 3 - 1	1 3 10 12 5 - 2	22 3 7 14 4 4 1 2	12 5 5 6 3 1 - 4	11111111	8 9 9 12 5 3 2 -	1	7 12 9 11 9 4 4 4 3	46 47 30 44 37 29 35 10	108 113 118 133 88 26 27 21	143 133 155 132 169 75 109 202
North. St. Marylebone	582 219 1,112 1,274 103 79)	11111	1 17 12 15	4 1 17 5 - 6	10 3 43 12 1 21	12 27 7	- - - -	12 7 22 17 1 19	man.	9 2 32 29 1 14	76 7 126 151 10 77	104 32 231 301 15 204	104 87 138 132 76 123
Central.   St. Giles	164 50 119 169 344 265 133	111111	1 18 12	1 - 4 9 -	2 - 3376	1 - 3 1	1111111	2 3 1 2 1 3		1 1 4 6 17 7	31 8 19 26 48 25 9	22 8 19 39 92 54 17	88 170 152 210 183 115 139
East. Shoreditch Bethnal Green Whitechapel St. George-in-the-East - Limehouse Mile End Old Town Poplar	591 633 400 23.) 300 568 799	1111111	28 37 17 3 13 28 10	5 4 1 -2 2 3	11 21 4 5 12 23 14	2 1 4 6 6 1 3	1111111	8 9 2 3 5 7 15	1	14 17 12 8 8 16 27	70 62 57 24 37 48 73	166 191 96 79 59 143 238	155 159 140 159 123 132 159
South.  St. Saviour St. George-the-Mar.Southwk. Newington	133 369 663 49 466 178 1,201 662 664 994 795 141 294 192 224		10 6 11 - 4 - 2 1 3 4 1 - 1	2 3 2 1 12 5 3 5 5 1	5 10 26 - 25 2 46 47 20 26 14 6 9 11 1	4 7 21 2 8 4 19 9 18 15 9 2 3 3		3 5 2 1 2 1 1 5 9 8 10 15 1 5 5 5 2	HILLIAN DELICITION	1 12 23 12 2 32 12 18 28 21 2 2 12 16 6	13 54 77 5 47 19 112 74 68 95 80 14 17 20	26 92 173 10 135 42 272 157 146 261 196 30 62 32 77	143 174 171 109 179 122 127 115 143 138 128 111 105 165

In the above Table all deaths of persons in, or on the way to, Hospitals and other Public Institutions, as well as those of persons under treatment in surgical homes, or dying by accident or otherwise in the streets, have been distributed, as far as practicable, to the sanitary areas in which the deceased had previously resided. The deaths of 413 London residents who died outside Registration London in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, the City of London Lunatic Asylum at Stone, and the Metropolitan Hospitals and Asylums, have been similarly distributed. In 500 cases the previous residence was outside Registration London, and these have been excluded from the Table.

#### GREATER LONDON.

In Greater London 4086 births and 2152 deaths were registered, corresponding to annual rates of 32.6 and 17.2 per 1000 of the estimated population. In the Outer Ring 8 deaths from measles, 3 from scarlet fever, 13 from diphtheria, 17 from whooping cough, and 6 from "fever," were registered. Six deaths from measles, 7 from diphtheria, 5 from whooping-cough, and 3 from "fever" occurred in West Ham district.

#### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was  $29^{\circ}60$  inches, and that of the Thermometer  $42^{\circ}0^{\circ}$ ; the latter being  $3^{\circ}7^{\circ}$  above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being one per cent, above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was  $5^{\circ}6$  hours; the measured rainfall amounted to  $0^{\circ}24$  of an inch,

#### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of December 1898. The supply was in the ratio of 220 gallons to one service.

COMPANIES.	Number of	Services.	Daily Suppl in Ga	ly of Water llons.
·	DECEMBER,	DECEMBER,	DECEMBER,	DECEMBER,
	1897.	1898.	1897.	1898.
TOTAL SUPPLY	852,536	871,596	196,861,493	191,717,971
From Thames From Lea and from other Sources -	410,682	418,693	103,648,376	102,367,118
	441,854	452,903	93,213,117	89,350,853
THAMES.  Chelsea	37,776	38,065	11,629,195	11,419,640
	81,825	83,390	20,169,796	20,095,537
	121,136	122,191	31,068,207	30,288,167
	61,859	63,521	18,634,707	17,974,880
	108,086	111,526	22,146,471	22,588,894
LEA AND OTHER SOURCES.  New River	163,200	165,534	34,773,395	35,212,278
	192,264	197,652	43,374,542	38,308,993
	86,390	89,717	15,065,180	15,829,582

Note.—The Return for December 1898, as compared with that for the corresponding month of 1897 shows an increase of 19,060 services and a decrease of 5,143,522 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING DECEMBER, 1898.

Water-analysis Laboratory, The Yews, Reigate, 30th December, 1898.

SIR,

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of December.

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing mains.

I append, also, the results obtained in the analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of

Birmingham, and Dr. Mills, of Glasgow.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, was:—Kent 0.8, New River 1.5, East London (deep well) 2.1, East London (river supply) 4.2, West Middlesex 4.6, Chelsea 5.9, Southwark 6.8, Grand Junction 7.1, and Lambeth 7.4, The unfiltered waters contained the following proportions:—Thames at Hampton 9.9, New River Cut 2.0, and Lee at Aprel Read 6.4

River Cut 2.0, and Lea at Angel Road 6.4.

The Thames at Hampton was, on December 14th, turbid and pale brown in colour; it was of bad bacterial and very bad chemical quality. The water supplied by the five Companies drawing from this river was, in every case, efficiently filtered before delivery, but, owing to heavy floods and insufficient storage, the water sent out by all the Companies, except the West Middlesex, contained an excess of organic matter, which was, however, almost entirely of vegetable origin. The Southwark Company's general supply from Hampton contained a large excess of microbes over the standard of 100 per cubic centimetre. The bacterial improvement effected by these Companies is expressed by the following percentage numbers:—Chelsea 99'80, West Middlesex 99'81, Southwark (general supply from Hampton) 97'78, Grand Junction (general well at Hampton) 99'48, (general well at Kew) 99'84, (south well at Kew) 99'88, (general supply from Kew) 99'78, and Lambeth 99'68.

# Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

-			1 11 11								
OR I	COMPANIES	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
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17 3	THAMES.	THE RESERVE	0	HIT !							
100	(Unfiltered water) -	December 14th, Grand Junction Co.'s intake at Hampton.	7.9	34.72	.517	.069	.008	.283	.359	1.8	21.8
	Chelsea	{ December 17th, Cab Rank, Horse Guards, Whitehall. }	8.9	31.98	-300	.045	0	.246	·291	1.8	21.2
	West Middlesex -	Cab Rank, Riding House- street.	9.5	30.74	•243	.021	0	•263	-289	1.7	20.6
	Southwark	December 17th, Cab Rank, St. George's Church, Borough.	8.2	32.84	*366	.036	0	.311	.347	1.7	21.2
9.	Grand Junction -	{ December 17th, Cab Rank, Portmanstreet, Oxford-street. }	8.8	32:10	*387	.032	0	.319	.351	1.7	21.2
Inner Circle.	Lambeth	Cab Rank, St. George's- road, Southwark.	8.7	30.68	-387	.050	0	*316	.336	1.7	20.0
Inne	LEA. (Unfiltered water) -	December 16th, New River Cut at Green Lanes.	7.9	38:24	.106	•013	.006	.274	•292	1.7	23.3
	New River	{ December 17th, Cab Rank, Tottenham } Court-road.	8.9	35*25	.078	•011	0	.310	·321	1.7	22.1
	(Unfiltered water) -	December 16th, E. London Co.'s intake at Angel-road.	7.9	40.88	.308	.072	.016	•483	•568	2.0	26.6
	East London	{ December 17th, Cab Rank, Sidney-street, E. }	8.7	39.20	.229	.021	0	*358	.379	2.1	23.9
-	DEEP WELLS.	A 40 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19	1	100	11-14	1				-
1	Kent	{ December 17th, Police Station, Blackheath-road. }	11.9	40.20	.042	·005	0	.461	•469	2.0	6.6
Outer Circle.	East London	December 28th, Waltham Abbey Well.	_	28.52	.114	.010	.011	trace	.022	2.1	19.7
14		The state of the s	11.7	IN THE	-		THE PARTY		777	F 18	
	poration of Birming- im*	Rear of 35 York-street, Harborne.	7.8	34.8	280	.040	'001	.350	391	2.6	¢ 21·0
Cor	poration of Glasgow†	{ December 15th, Loch Katrine water. }	7.5	3:12	173	.019	0	.005	.024	•6	1:27
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
-										-	

<sup>\*</sup> Analysed by Dr. Alfred Hill, Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 14th December at the Grand Junction Company's intake at Hampton had a temperature of 7.9° C.; 100,000 lbs. of it contained 34.72 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained 517 lb. of carbon and 669 lb. of nitrogen. The above quantity of water also contained 608 lb. of ammonia and 283 lb. of nitrogen in the form of quantity of water also contained '008 is. of ammonia and '283 is. of introgen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '359 lb. The above weight of water also contained 1.8 lb. of chlorine, and 21.8 lbs. of carbonate of lime, or an equivalent amount of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

<sup>†</sup> Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was, on December 16th, turbid and pale yellow in colour. It was, for raw river water, of excellent chemical and fairly good bacterial quality. After efficient filtration, it was delivered in most excellent chemical and bacterial condition. A sample taken from the general filter well on December 16th showed that 98.49 of the microbes in the raw water had

been removed.

The water drawn from the Lea at Angel-road by the East London Company was, on December 16th, turbid and yellow in colour. It was of bad quality both chemically and bacterially; but, after efficient filtration, it was delivered in excellent chemical condition, although one out of the three filters examined was passing water containing a considerable excess of microbes over the accepted standard. The bacterial improvement is expressed by the following percentage numbers:-No.1 Essex well 99.54, No. 2 Essex well 99.41, and Middlesex well 98.65.

The deep well water of the Kent Company was clear and bright without filtration, but that of the East London Company was slightly turbid. Both waters possessed a high degree of

organic purity.

Seen through a stratum two feet deep, the Kent Company's water was clear and colourless, the East London (deep well) slightly turbid and colourless, the New River clear and very pale yellow, the West Middlesex and East London (river supply) clear and pale yellow, and the remaining waters clear and yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the filtered supplies delivered by the various Companies, collected on the 14th, 15th, 16th, and 17th of December, yielded, after prolonged incubation, the results contained in the following Table :-

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, December 14th, 1898  West Middlesex Company's water, from mixed storage, December 15th Grand Junction Company's water at Kew Bridge, passing to filters, Dec. 15th New River Cut before passing through reservoirs, December 16th  after  River Lea at Angel-road, December 16th  after storage (East London Company), December 16th	22,450 360 2,820 3,440 1,980 15,600 2,900	7.9 7.9 8.1 7.9 8.2 7.9 7.4
THAMES.  Chelsea Company's general filter well, December 14th West Middlesex Company's tap on filtered water main at Hampton works, December 14th Grand Junction Company's general filter well at Hampton, December 14th  "" " " South " " Kew Bridge, December 15th  "" " tap on filtered water main at Kew Bridge works, December 15th  "" " Lambeth Company's general filter well, December 14th  Lambeth Company's general filter well, December 14th	46 44 498 116 36 28 50 72	85 79 87 80 80 82 81 82
LEA.  New River Company's general filter well, December 16th East London Company's No. 1 Essex filters, December 16th	52 72 92 210	7'9 7'8 9'1 8'0

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied to that City was "clear and pale green in a two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on the 15th of December, "light brown in colour, and contained a little suspended matter. The temperature was unprecedentedly high."

I am, &c.,

E. FRANKLAND.

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	CITIES	AND BOROUGHS.	Cols.	33 TOWNS.	London.	WEST HAM.	CROYDON.	BRIGHTON.	PLYMOTTHE	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BULTON.	MANCHESTER.	SALFORD.	BIRNI.EV	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	
ALD.		In Centi- metres.	24.	1.52	0.61	1	0.23	1.35	1 1	2.03	1	-	1.73	1	1.73	1	1.47	1	1	1.37	1	1	1 - 1	1	1	1	2.22	1	2.41	1		26.0	1 -	1 1	
BAINFALL		In Inches.	23.	09.0	0.54	1	0.51	0.25	1 1	0.80	1	1	89.0	-	89.0	-1	0.28	1	1	PC-0	1	-	1 1	1	1	1	1.01	1	0.02	1	1	0.38	1	1 1	
AIR.	n.	Centigrade.	22.	4.39	5.56	1	4.78	92.9	1	66.5	1 1	1	3.56	1	3.44	1	3.20	1	1	5.58	1	17	1	1 1	1	1.	3.33	1	4:00	1	1	311	1	1 1	
OFTHI	Mean.	Fahrenheit.	21.	6.68	42.0	1	40.6	43.8	, ,	41.4	1	1	38.4	1	38.5	1	38.3	1	1	c.17	1	1	1 1		1	1	38.0	1	39.5	1	1-	37.6	1	1 1	
ATURE		heit Lowest,	20.	24.6	30.2	1	30.2	86.4	1	35.0	1	- 1	29.4	1	24.6	1	30.3	1	1	34.0	1	1	1	1 1	71	- 1	29.2	1	32.4	1	1	0.12	1	1 1	
TEMPERATURE OF THE AIR		Fahrenheit Lowest,	19.	53.2	53.0		53.51	7.19	1 1	52.0	1	L	8.19	1	0.19	1	51.3	1	- 1	53.2	1	1	1	1 1	1	1	52.5	1	52.0	1	1	0.19	1	1 1	
	naing ne leaths.	From Diseases in Cols. 6-12.	18.	1	1.9	5.6	8.0	2.1	1.4	7.3	1.4	5.2	1.5	1:1	1.8	1.5	4.1	1.0	1.8	1.6	2.3	2.4	50 50	1.0 0.2	1:5	6.0	0.2	1.6	1.0	2.1	5.0	1.3	4. 6	0.1	
Annual Bate per 1000,	corresponding to the Week's Deaths.	From All Causes.	17.	1.61	19.1	15.1	15.9	19.1	10.4	18.0	12.6	9.55	18.5	1.91	8.61	16.8	9.61	14.7	17.2	23.8	6.17	22.1	22.5	15.7	16-7	23.5	14.6	27.7	15.2	21.4	17.2	18.0	21.5	12.7	
		Uncertified	16.	63 1	22	-	1			1 0	1 -	-	1	6.7	1	20	1	1	0.1	6	1	-		1 0	1 07	-	্য	67	භ	33	4	1			
		Deaths in Public Institution	15.	913	540 1	9	00	4 0	000	1 10	10	4	-	288	4	6	16	00	20	63	10	10	020	0 0	0 00	9	9	10	7	17	12	14	0	20 12	
	-	tagaest Cases.	14.	401	209	7	4	ତୀ ଚ	2 -	10	4	63	1	15	62	1	1	9	33	18	00	28	10	2 -	4 00	7	60	4	1	18	9	_	m 0	20 17	
nde		Violence,	13.	168	82	20	1	०१ ०	N 1	44	07	П	1	11	1	9	60	7	- 1	7	1	11	27 -		1 ,	-	63	6.1	1	10	4	63	0.1	20 00	
The DEATHS registered in the Week include		Diarrhœa,	12.	30	13	1	1	-	1	o l	1	15	1	1	1	1	හ	1	1	3	1	eo :		- 1	ı	1	1	ı	1	1	1	1	1	1 1	
the W		Fever.	11.	47	17	ಣ	1	1	1 1		1	1	1	67	-	7	0.3	Г	0.1	o1	0.1	60	- 0	9 -	1 1	1	1	7	- 1.	1	2	7	1	1 1	
red in	from	Whooping-	10.	80	41	-	1	0,1	1 1	10	60	1	7	50	1	-	3	1	1	22	-	-	2.1	1 1	1	1	1	ଦୀ	1	6.2	03	ा	-	1 67	
registe	Deaths from	Diphtheria.	9.	96	30	10	-	C7 C	o 1	-	63	11	П	673	_	0.1	1	1	1	6	1	4	.73	1	-	-1	-	1	1	10	9	-	-	1 1	
BATHS		Scarlet Fever.	00.	30	II	1	1	1 -	- 1	1 1	1	1	1	1	03	1	1	1	1	0.1	7	-	2.1	i	6	1	i	í	Н	1	1	1		- 1	
The D		Measles.	7.	84	27	9		1 -		1 1		ī	1	07	1	1	11	1	1	2	33	13	4	1	1	1	1	1	1	10	7	03			
		Small-pox.	6.	. 1	1		1	10.1	1 1		1	1	T.	1		1	,	1	1	1	1	1	1	-	-	1	. 1	1	-1	1	1	1	1	1 1	
	eaths of	Persons aged 60 Years and upwards,	5.	1107	474	24	11	14	× ×	04	6	10	2	38	55	18	11	-	12	69	17	47	97	AT II	14	14	6	14	36	35	26	22	17	286	
	Deatl	Infants under I Year of Age,	4.	933	325	20	00	9 21	2 00	33	12	11	20	54	9	18	28	0	00	69	17	58	300	14	13	13	4	15	11	43	56	27	16	× 5	
during	ending ry 1899.	DEATHS.	575	4174	9991	87	930	88 99	34	111	45	45	31	291	43	69	8	30	38	586	89	231	20 10	34	150	53	53	52	69	174	119	81	09	97 66	
Registered	7th January 1899.	BIRTHS, DEATHS.	भं	7230	2893	180	99	194	65	211	110	69	62	374	57	135	139	62	75	486	82	323	202	49	78	73	49	54	123	290	238	177	66	153	
- L	Population estimated	to the middle of the Year 1899.*	l.	11,404,408	4,546,752*	300,241	127,759	123,226	100.637	320,911	185,826	103,722	128,88	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,502	150 779	113 081	135,154	117,622	103,464	127,79	236,241	423,889	361,169	234,270	145,613	228.625	- Const
	CITIES	AND BOROUGHS,	Cols.	33 TOWNS	LONDON	WEST HAM	1	BRIGHTON	PLYMOUTH -	BRISTOL	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH	LEICESTER	NOTTINGHAM -	DERBY	BIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	SALFORD -		BLACKBURN-	PRESTON	HUDDERSFIELD -	HALIFAX	BRADFORD	LEEDS	SHEFFIELD	HULL	GATTERTAND -	NEWCASTLE -	-

Table 2. LONDON.—Births and Deaths Registered in the First Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2855	2961	2817	2911	2577	2486	3085	2735	2717	3001	2961-2	2893
Males Females -	1481 1374	1516 1445	1420 1397	1479 1432	1311 1266	1306 1180	1569 1516	1425 1310	1359 1358	1509 1492	1512·4 1448·8	1437 1456
TOTAL Deaths -	1784	2371	2505	2679	2509	2038	1462	1707	1580	1990	2170.0	1666
Males Females	905 879	1202 1169	1221 1284	1248 1431	1221 1288	1001 1037	751 711	899 808	803 777	973 1017	1075·7 1094·3	882 784

<sup>\*</sup>The numbers in this column are the average weekly numbers in the first week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

	101	1											
2495211911525	Oct. 15.	Oct. 22,	Oct. 29.	Nov.	Nov. 12.	Nov. 19.	Nov. 26.	Dec.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.
TOTAL Births	2454	2468	2652	2530	2696	2585	2155	2575	2577	2519	2422	2215	2893
TOTAL Deaths	1600	1497	1411	1394	1405	1436	1439	1569	1447	1423	1470	1593	1666
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \begin{array}{c} \textbf{Under 1 year} \\ 1-5 \text{ years} \\ 5-20 \\ 20-40 \\ 0 \\ 0 \\ 0 \\ \end{array} \\ \begin{array}{c} -20-40 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array} \\ \begin{array}{c} -20-40 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array} \\ \begin{array}{c} -20-40 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array} \\ \begin{array}{c} -20-40 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array} \\ \begin{array}{c} -20-40 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	415 180 95 204 324 307 75	351 167 93 199 320 290 77	349 169 82 178 282 287 64	357 155 73 198 276 258 77	328 158 76 191 293 299 60	310 171 98 197 305 286 69	320 157 95 198 287 302 80	362 203 78 190 297 349 90	289 166 77 196 320 331 68	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78. 224 390 396 78
Deaths from—  8 mall pox	1 9 7 41 17 - 18 - 99 1	12 14 30 10 - 28 - 48	- 19 10 46 13 - 20 2 33 1	23 13 28 10 1 29 - 34	19 17 31 13 - 27 - 17	19 12 44 14 - 28 - 16 -	24 7 38 16 - 33 - 6	25 9 43 28 - 21 - 17	22 11 43 22 1 26 - 19	31 6 40 26 19	24 14 46 21 - 21 19	31 12 47 32 - 15 1	27 11 30 41 - 17 - 13
All the above Diseases	193	142	144	138	124	133	125	143	144	135	145	152	139
Dis. of Respiratory System – Phthisis – – – – Dis. of Circulatory System – Violence – – – – Inquest Cases – – – – Deaths in Public Institutions –	263 173 143 56 145 489	263 169 137 52 121 459	262 140 125 63 135 459	237 135 130 50 114 433	248 155 133 71 143 451	285 183 125 67 137 468	280 148 145 66 139 473	340 161 145 76 179 446	295 153 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540
TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings  Mean of Lowest readings	49.5 55.1 44.5	55·3 60·0 50·8	55.5 61.0 50.6	49.8 56.5 43.0	49.6 56.0 44.0	48.0 52.5 43.1	41.7 45.2 37.3	44·1 47·6 39·5	49.4 52.7 45.1	48.0 51.9 43.0	40.1 45.3 34.6	43.3 48.1 36.8	42·0 46·9 36·2
Humidity of the Air	86	87	82	79	93	89	90	85	83	83	80	84	87
Rain-fall (in inches)	0.42	1.42	1.03	0.52	0.02	0.02	1.88	0.26	1.34	0.00	0.03	0.81	0.24
Registered Sunshine (in hours)	12.5	10.9	22.2	28.7	27.2	10.7	7.0	5.6	6.7	0.8	12.9	14.0	5.6
CASES OF INFECT	TIOUS S	SICKN	ESS IN	Hosi	PITALS	* AT T	CHE EI	ND OF	EACH	WEE	K.		-
Small-pox	2728 1125 191	2915 1169 214	3031 1187 223	3092 1241 230	3188 1251 242	$\begin{vmatrix} -3259 \\ 1251 \\ 252 \end{vmatrix}$	$ \begin{array}{c c}  & - \\  & 3162 \\  & 1250 \\  & 266 \end{array} $	3142 1274 286	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott. Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 4. FIRST Week of the Year 1899.

					r	IRS	TV	v ee	ek o	I	the Year 1899.									
The mariety	r the	S	In	the lay, 7	Wee th J	k en Janu:	ding ary	899.		-	TITLE	years		Ir	the	We, 7th	ek er ı Jan	ding	189	9.
	ges for the 10 5*.		De	aths th	of E		ns o	E				ges for the 10 8*.		De	aths	of i	Perso	ons o	f	
AUSES OF DEATH	Averages sek of the 1889-98*.	18.	τ	nder 20.		under 40.	under 60.	under 80.	and s.		CAUSES OF DEATH	Averages of the 1889-98*.	.88	1	Jnde 20.	r	under 40.	under 60.	under 80.	and 8.
	Corrected Ist Week	ALL AGES.	0-1	1-5.	5-20.	20 and un	40 and un	60 and un	80 years a	N. COLUMN SANSAGE STATES OF THE PERSONS SERVICE SANSAGE		Corrected 1st Week	ALL AGES.	0-1.	1-5.	5-20.	20 and un	40 and un	and	86 years a
CAUSES	2170.0	1666	325	175	78	224	390	396	78		Diseases of Circulatory } System }	189.5	186	2	1	8	31	70	65	9
ll- {Vaccinated † - Unvaccinated   No Statement   les	0·1 74·5 21·9	- 27 11	2	- 25 5 -	- - - 6 -	FELTER		11111	11111		Croup	7.6 433.7 173.2 9.3 51.9	4 208 109 3 41	- 39 22 - 10	25	2 - 5	7 8 1 3	- 36 34 1 10	12	-
psing Fever enza	28·5 66·5 49·2 0·2 11·5 0·1 12·4	17 41 30 - 17 - 13	21 31 - - 11	20 16 1 1	10 3	13	3	9 -1 1	1	Principal and in contrast of the last of t	Dentition	8.7 1.4 12.1 8.4 24.2 34.0	6 16 4 28 43	4 - 1 9	3 - 1	- - 2 2 1 3	- 3 - 1 11	- 2 1 14 9	- 1 1 10 5	
ittent Fever	0·1 0·1 - 9·0		1	1 1 1 1		11111	- 21	1 2	1 1 1 1 1	STREET, SQUARE, SALES	Diseases of Lymphatic System & of Ductless Glands	1.7	2	-			-	1	1	
pelas	5.6 2.7 5.6 2.1	3 1	1	1111	1 -	2 1	-	2	1111		Diseases of Urinary } System }	49.7	53	-	1-	-	12	19	19	2
sh	0·7 0·3		-	1 1	- 1 - 1	-	-		-	-	Diseases of Generative } System } Accidents of Childbirth-	4·7 6·0	5 4	1 11	1 1 1	1 1	3	4	1 -	1 1 1
cal Diseases - }			-			-					Diseases of Locomotive } System	6.6	3	-	-	2	1		-	
ration, Want of } east-milk	1.8 16.1	3 17	3 -	1 1		4	9	4			Diseases of Integumen- tary System-	6.2	6	1	1	-	-	1	3	-
matic Fever, eumatism of Heart } matism	9·4 2·8 3·5 4·8 68·1 17·9 22·1 191·3 17·1 15·2	6 3 2 5 75 12 23 163 17 18		- - - - 6 10 1 3 1	13 2	1	1 - 39 - 63 1	- 1 2 - 26 - 1 18 - 7	3	Charles and Charles Services (Services Constitution of the Constit	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions	75.6	1 6 1 3 6	1	- 1 - 2 3	ī - ī	1	- 1 1 - 1	- 2	1 11 1
ature Birth	55.8 4.7 9.6 63.3	57 4 9 56	57 4 9 -	1111				31	- - 25	Section of the Party of the Par	By Drowning By Suffocation in Bed - By Poisonsor Poisonous Vapours Other or not stated causes		5 16 1 23	16	1	11111	3 - 6	- 8	- 6	1
lexy	51.9 6.7 40.5 95.2	60 6 32 72	- 26 8	- 6 5	4	-	2 -	28 4 - 22	5 - 5	STATE OF THE PROPERTY OF THE P	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.8 8.4 0.2	- 19 1	111	111	2 -	10 1	-2	- 5 -	111
ses of Organs of }	3.8	3	1-	-	2	1	-		-	AND STREET, ST	OTHER CAUSES -	62.4	50	45	3	-	-	2	-	-
he numbers in this co	lumn ar	e the	ave	rage	e w	eek	lvd	lead	ths	fo	r the ten years 1888-97, rais	ed by 5°2	30 pe	r c	ent	. fo:	r in	cre	ase	-1

he numbers in this column are the average weekly deaths for the ten years 1883-97, raised by 5°230 per cent. for increase pulation.

In those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered cal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the sof death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of lent, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in each Sub-district during the Week ending Saturday, 7th January, 1899.

_	SUB-DISTRICT during the We	ek eliulii	g Davi	iiuay,	, 011	Jan	uai	y, 10	000,	-				200	-	-			
1		100			_	-		The l	DEAT	HS re	gister	ed du	ring	the W	eek in	nclud	е	1 3	1
		Enume-			Dea	thsof					Deatl	ns fro	m				-	utions	of
	REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deathsin Public Institutions.	Uncertified Causes
	LONDON	4,411,710	2893	1666	325	474	_	27	11	30	41	-	17	-	13	82	209	540	12
	WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	454 628 146 539 1126	291 341 92 339 577 26	48 71 18 61 127 -	90 85 25 100 165 9	111111	1 5 17 4 -	3 2 - 5 1	2 10 - 4 14 -	8 11 1 3 18	111111	4 2 3 4 4 4 -	11111	3 4 1 1 4 -	19 14 6 17 26	41 44 14 51 59	104 100 32 130 148 26	,11
Si	WEST DISTRICTS.  t. Mary Paddington $H - G$ . & W.  t. John Paddington $H - G$ .	90,996 <b>33</b> ,510 122,164	48 14	33 19 68	4 1 20	14 3 20	7 1 10		1 1 1	1 1 1	2 -	1 1	-	7	2 -	2 - 6	4 1	8 10 27	A Company
Si	ensington Town $Ww - W$ . rompton $HH- WW - WW$ .	9,097 25,102	71 18 8 68	10 1 27	- 4	5 - 11	1111	11 11	1 1 1	1 11	1	11 11	- 1 1	-	1	- 4	14	1 - 5	- 1
00	ulham $Ww$ W. & C. helsea Kensal Town - C. helsea North $WHHHHHH$ - C. helsea South $HH$ C.	21,450 42,057 33,139	109 14 26 14	13 15 7	6 3 2 1	11 3 2 3	1111	1 -	3	1 -	1 3 1	1 111	1	1 111	1111	1	2 - 2 1	13	
M B Si	ay Fair $W$ G. elgrave $WHHH$ C. John Westminster $HH$ - C. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	5 23 20 3	13 27 7 5	1 3 2 1	4 6 2	1111	1111	1111	ī -	1111	1111	1 -	1 1-1 1	1111	1 4 - 1	1 6 - 1	8 15 - 5	]
	James Westminster N. & G. WHH Anne Soho HHHHHHH - N.	23,050 12,048	9	8 4	1 1	5 1	1 1	1 1	1111		1 1	1 1	-	1 1	1 1	FI	1 -	5	1
R St	NORTH DISTRICTS.    HHHHHHHHH     - W.   - W.   - W.   - W.   W.   W.	36,595 19,798 19,637 32,547 32,611	14 6 32 15 18	10 5 3 8 4	- 3 2	1 2 - 1	1 1 1 1 1	11111		1	- 1	111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	11111	1	1 1 - 1 1	4 1 3 -1	A Landon A
H	ampstead } - N. & W.	75,449	28	28	4	6	-	-	2	4	-	-	1	-	-	2	. 4	11	1
G S C	egent's Park Pancras $HH$ - W. Ottenham-court $\Big\}$ - N. & W. $wHHHH$ - N. Omers Town $HH$ N. entish Town $WW$ N.	37,341 26,757 29,426 32,161 16,669 98,410	24 8 20 18 13 60	6 19 14 12 6 34	1 2 3 - 11	4 3 2 1 1 12	11111	1	111111	1 1 1 1 1 1	- 1 1 - 1	11111	11111	1 1 1 1 1 1		3 - 1 1 1 1	3 1 3 1 4	16 7 1 4 5	11111
Is	$ \left. \begin{array}{c} \text{pper Holloway} \\ WWWwHH \end{array} \right\} \text{N.} \\ \text{lington South-east}  \text{H}  - \text{N.} \\ \text{lington South-east}  - \text{N.} \\ \text{ighbury}  HH  -  -  \text{N.} \end{array} $	98,273 107,365 66,549 64,577	65 84 54 28	52 36 17 18	6 12 6 5	20 5 4 4	1111	2 -	1111	1	5 1 -	1111	1 1 1 1	1 1 1 1	- 1 1	1 -	5 532	32	I to the total
NOS	ooke Newington $H$ N. orth Hackney E. & N. entral Hackney $ww$ - E. & N. outh-west Hackney $HHH$ E. & N. outh-east Hackney $WwH$ E.&N.	33,485	$ \left\{\begin{array}{c} 10 \\ 22 \\ 28 \\ 51 \\ 30 \end{array}\right\} $	12 11 23 17	3 4 6 3	4 4 1 8 2	11111	- 2		4		11711	- 1 -	11111	1	- 2 1	1 - 35	- 5 4 6	14911

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The R-man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. East London; and K. the Kent Company.

Seenote on second page of this Return

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEA, VIOLENCE &c., registered in each Sub-District during the Week ending Saturday, 7th January, 1899—continued.

							Th	e D R	THS	regis	tered	durin	g the	Weel	inel	ude		
	Enume-			Deat	hs of	1			•	Dent!	as fro	139			-		Hons	of
EGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS,	Total DEATHS	Infants under 1 Year of Age,	Persons aged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhold) Fever.	Simple Continued Fever.	Diarrhœa,	Violence	Inquest Cases.	Deaths in Public Institutions	Uncertified Causes Death,
CENTRAL DISTRICTS.																		
George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	$\begin{array}{c} 3 \\ 21 \\ 4 \end{array}$	$\begin{bmatrix} 4\\7\\2 \end{bmatrix}$	2 3 1	2 2 1	-				1 1			-	1 1 1		- 1	- 3	-
Martin-in-the-Fields HHN.&C. and WHH N. and Union Workhouse, Edmonton	13,077 11,839 †1,037	1 5 -	9 9 2	1 1 1	4 - 1	-		- - -		111	1 1 1	1 -	-	1 1 1	1	1 2 -	5 7 2	
born wHHHHHHH - N. James Clerkenwell - N. well Clerkenwell - N. well-street - N. jtecross-street - N. sbury - N. born Union Workhouse, jtcham N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	15 18 24 14 28 4 2	12 6 9 4 14 -	2 2 1 - 3	3 3 3 3 1 1 1	111111		1111111	1 1111111	- 1 - -		1 1 1 1 1 1 1 1	-	1	1 - 1	2 1 2 1	6 - 2	1111111
Botolph H N. & E. prlegate N. & E. prlegate N. Sepulchre WH N. allows Barking N. ad Street H N. of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	3 - 3 - 1	1 - 9 3 1	1	1 1 1 1		111/111			+1111	11111	2		11111	- 1111	1 2 -	7	111111
EAST DISTRICTS.  reditch South $Hl$ - E. & N. ton New Town $w$ - N. ton Old Town N. gerston $WH$ - N. & E.	17,975 29,575 27,645	5 20 13 37	6 14 12 26	- 1 4 2	341	-	_		`			111	-		1 1	2 2 2 7	1 6	1 1 1
hnal Green North H - E. hnal Green South E.	47,163 49,301 34,194	37 46 27 34	16 6	7 1 4	5 2	-	1	-	1	1 -	_	1 -	-	1 1	3	4	14	
hnal Green East $WHl$ - E.  calfields E. & N. c End New Town* $WH$ - E.  dman's Fields* E.	26,681 } 51,995 {	22	30 11 50 1	4 3 5	15 4 8 1		1 2	1 1 1	- 1		1 1 1	1	-	1 1 4 1	23	4 9	16	111
Feorge's North E. Cohn, St. George East W E.	39,576 7,930	35 7	14 14	6	3 6	-	1 2	-		1 -	-	1 -	-	-	1 ~	$\frac{2}{1}$	13	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	11 13 28	5 7 10	2 2 4	1 1 3	-	1	-	1 1 1	-			-		-	ī -	2 -	1 1 1
e End Old Town West H E. End Old Town East - E.	} 111,060	{ 37 37	15 31	<b>3</b> 5	5 13		7	-	1 21	-	-	1	-	-	1	3	12	1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	33 56 38	12 41 18	2 6 4	4 9 6	- - -	- 1	111	1.1.1	<u>-</u>		  -  -	-	- 1	- 2121	3 5	20 1	1 1 1

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox Measle Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhoa, Violence, &c., registered in each Sub-District during the Week ending Saturday, 7th January, 1899—continued.

r		eek endin							_	rns re				the W	look is				
					Doot	hsof		T 110	JEA.			s from			COR 1	LUIUO		1 8	- 19
l		Enume- rated					_	1		1	eatn	s iroi		·   e	1	_		itutio	2
	REGISTRATION SUB-DISTRICTS	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever,	Simple Continued Fever,	Diarrhoss,	Violence,	InquestCases.	Deathsin Public Institutions	Uncertified Canas
ı	SOUTH DISTRICTS.																		1
SHITTS	Christchurch Southwark   W.H.L.&S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	12 17 22 17 15 45 19	2 1 8 7 8 12 28 16	1 2 4 7 7	1 218 -	1111111	1 1 1		2	- 1 1 - 5 1 4	11111	1 - 1 - 1	1111111	1 1 1	- 1 - 2 2 2	1 1 1 4 4		
1 1	St. Olave $WH$ S. Sermondsey $W$ S. Sotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	8 69 30	18 21 25	2 8 6	-4 3 7.					ī	-	1 -	-	-	2224	5 2 7	11 2 9	
1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	30 16 34 38 20 53 15	5 18 31 13 11 20 6	1 2 5 4 4 4 3	- 3 15 4 2 8 1	1111111	1		- - - -	1	111111	11111		111111	51	1 7 2 2 2 1 2	15 19 - 1	
	Tast Battersea $  -$ S.  West Battersea $WwH$ $-$ S.  Plapham $H$ $ -$ S.  Vandsworth $WHHL$ $-$ S.  Varthey $  -$ S.  Streatham $WwwL$ $-$ L.	71,730 93,385 46,953 58,101 20,566 61,644	58 67 33 34 9 42	13 32 14 13 10 14	5 6 4 - 2 2	284437	11111		- - - 1	- 1 -	1 1 1 1	1/2 - 1 - 1	- 1 -		1 1 1 1 1	1 1 1 -	2 - 1 1 1	15 2 - 2	
1	Oulwich L. & S. Samberwell Wwll - S. & L. Peckham WW - S., L., & K. t. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	43 63 55	2 56 22 20	1 8 4 6	1 23 8 8		-	1	- Ī	1	1111	1,111,1		1111	- 2 -	2 2 -	38	
1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	37 38 17 15 24	13 18 11 6 19	5 2 4 3 3	4 5 3 1 6	1111		-	4	1111	1111	1111			- - 1	1 - 1	4 - 9	2
I	Githam $wH$ K.  Lee $H$ K.  Lewisham $WwH$ K.  Lydenham $H$ L.	5,911 24,222 38,139 37,601	3 9 19 20	2 3 13 9	- 1 1	2145		-	1	1 3 -	1111		1111	-	_ 1 -	1	1 -	1 5 -	-
7	$\begin{array}{llllllllllllllllllllllllllllllllllll$	15,928 19,355 21,959 16,714 42,538	15 10 17 8 23	7 6 4 3 17	$\frac{1}{\frac{1}{7}}$	1 3 1 1 2		11111	1	2	11111		1		11111	- - - 1	1 - 1	6 - 3	
	Banstead Asylum			5 3 -1 1 1 5 4 1 6		2 1 - 1 - 2 1 2 1 2	111111111				111111111	1111111111	TITLE LITTE	, , , , , , , , , , , , , , , , , , , ,			TILLIA LILLI	5 3 1 5 4 1 7 6	

BLE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 7th January, 1899.

								The	DEA	THS	regist	ered i	n the	Week	incl	ıde		
gis- tion			Enume-			Deat	hsof				Death	s from	n					100
trict nd nb- trict um-	REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhœa.	Violence.	laquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LON	JOON-OUTER RING -	368,749	1,422,063	1193	186	102	159		8	3	13	17	6	-	20	38	48	9
1:1	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	5 9	1 6	1	1 4		-		-	-	-	-	- 2	2	- 1	
7:1	Godstone, part of W -	2,754	1,598	5	-	-	-	-	-	~	-		-	-	-	-	-	~
3:1	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	77 16	46 5	. 9	16 5		-	1	1	-	~		1	4	12	-
3 4 5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	24 21 9 10 12	10 12 - 4 2	2 2 - 3 -	26		1111	1 1 1 1 1	11111	1 - 1	- - 1	1 1 1 1	1	2 2 -	1 2 - 1	1 1 1 1
1 2	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	12 11	12 2	2	4		-	-	_	-	-	-	1	3		-
1:1	Bromley $HHH$ Beckenham $H$ Chislehurst, $part of*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	15 9 12	3 6 4	-  -  -	1 2 2		1 -	-	1					1 1 1	- 2	1
3:1	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	34 -	9	1 -	3 -	-	-			-	-	-	-	-	-	-
1;1	Sunbury w Staines WH	11,054 13,277	13,671 13,221	10. 6	3 3	- 1	2 -	-	-	_ 		-	-	-	-	- 1	-	-
5:1 2 3	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	13 - 8	9 3 5	$\frac{1}{2}$	522	-	~	-	ī	-	-		- 1		3	1 - 1
3:1 3 4 5	Isleworth WHH Twickenham HH Brentford HHHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	27 7 21 30 21	5 2 16 5 16	2 - 1 1 4	1 9 1 4	1111	1 1 1 1	-	- 1 - 1	1 1 - -	- 1 - -	11111	1 -	- 1 - 1	1 2 -	- 1 1
:1 2 3 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	6 1 66- 12	4 - 19 9	1 - 3 2	2 2 4	-	- - 1	- 1 -	1 1-1 1	- - 1	- 1	1 1 1 1	1 1	1	1 1 1 1	- 1 -
3:1	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	6 9 20	1 2 11	1 3	1 1 5	-	-	-		2	-	1 - 1 - 1	-		-	
:1 2 3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	33 81 44 27 7 9	15 26 17 10 3 5	3 7 3 4 - 1	6 11 6 4 1 2	11111			1	1 2 -		1 1 1 1 1	1	1 2 2	1 4 2 -	1
:1	Hatfield, part of* W	3,306	582	-	1	-	-	-	-	-	-	,	-	-	-		-	-
:1	Bushey H Watford WH, part of* -	9,331	7,737	6 -	4 -			-	-	-	-	_	-	-	1 -	2	1	-
1234567 12	$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	29 62 53 36 70 56 79 9	21 26 20 15 17 23 27 3	3862577	7537457		1 2 3	- - 1	13111	1 2 1 1	1		1 2 - 1	2 2 2 - 2 2	- 1 - 7 2 -	1
:1	Romford, part of WH - Hord - Barking Town, H - Middlesex Co. Lunatic Asy., Wandsworth.	6,556 8,493 3,814 —	4,324 10,913 14,301 —	6 25 17 	1 3 9 5	- 2 2	- 2		-		1 1 1	-	- 1 1 1 1			ī -	5	
The	parts of sub-districts include	d within	that port	ion of t	the Me	trop	olita	n Po	lice.	Dist	riet	whic	h for	rmst	he C	ute	r Rin	19

<sup>&</sup>quot;The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring on as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham d Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislchurst o-district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in theld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping (p. 1,079); 189: 1, the parish of Dagonham in Romford sub-district; also deaths in Workhouses and Hospitals for

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).- DEATHS and Rate of MORTALITY during the week ending Saturday, 7th January, 1899.

			ANNITA	L RATE		1	The DI	CATH	S regi	istere	l in th	ıe We	ek inc	lude		
	Area	Population estimated	of MOE	TALITY 0 living.	DEATHS		ths of				Deatl	ıs froi	n,			ublic
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	Fium Diseases in Cols, 8-14,	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœu.	Violence.	Deaths in Pr
Co	ols. 1.	2.	3.	4.	5.	6,	7.	8.	ý.	10	11.	12.	13.	14.	15.	16
GREATER LONDO	0N 443,42	6,528,434	17.2	1.5	2152	427	633	-	35	14	43	58	23	13	102	58
INNER LONDON OUTER RING	- 74,673 - 368,743		19·1 12·8	1.6 1.2	1666 486	325 102	474 <b>1</b> 59	-	27 8	11 3	30 13	41 17	17	13	82 20	540

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692°845 square miles, which is equivalent to the area of a circle having a radius of 14°851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign CITIES.

					\	DEA	THS		PRI		L ZYM	OTI
CITIES	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrheal Diseases.
EDINBURGH - GLASGOW DUBLIN	298,927 733,903 349,594	January 7, 7, 7	144 434 - 194	144 283 179	25.0 20.1 26.7	-	2 3 -	2 7 -	3 3 1	3 13 6	3 4	11
CALCUTTA BOMBAY MADRAS PARIS	466,460 821,764 452,518 2,511,629	November 26 December 20 ,, 9 ,, 31	207 364 1008	765 403 906	48.4 46.3 18.7	1 - 1	6 4 5	? ? 2	- ? ? 7*	? ?	206† 27† 4	72 101 32
BRUSSELS AMSTERDAM - ROTTERDAM - THE HAGUE -	551,011 508,266 303,878 196,325	,, 31 ,, 24 ,, 24 ,, 21	253 275 201 109	166 175 98 56	15·7 17·8 16·6 14·8		12 1 2 2	 - 1	1* 1 2	3 5 3	3	10
COPENHAGEN - STOCKHOLM - CHRISTIANIA -	345,000 283,550 2 3,337	,, 31 ,, 24 ,, 31	121	93 85	17·0 21·7		3 2	1 17	: 5*		1 2	3
ST, PETERSBURG MOSCOW BERLIN HAMBURG	1,132,677 988,610 1,773,003 661,015	, 24 , 24 , 17 , 31	579 - 902 -	625 641 531 181	28.8 33.8 15.3 14.2	8	5 15 3	11 10 4 1	32 12 16 1*	10 6 4 4	15 4 1	50 42 28 3
DRESDEN BRESLAU MUNICH VIENNA	385,300 392,795 430,000 1,590,295	November 26 December 31 ,, 31	952	210 205 643	27·9 24·8 20·8	1 1 1	- 5	3 3	4 2*	 4 4	1 1	9 21
PRAGUE BUDA-PESTH - TRIESTE	382,029 648,104 165,177	,, 24 ,, 17 ,, 24	163 449 100	177 262 90	24·2 21·0 28·2	1 1 1	13 13 -	3 2	9 2 2*	1	3 5 1	12 3
ROME TURIN (10 days) VENICE CAIRO	499,861 344,203 169,545 570,062	, 10 , 10 , 24 August 19	216 181 86	196 150 87	20:4 15:9 26:7		1 - /		2*	2	11§ 4 -	18 10 3
ALEXANDRIA -  NEW YORK (including BROOKLYN) PHILADELPHIA -	319,766 3,43~,899 1,240,266	,. 19 December 10 ,, 17	1611	1173	17.8	- 1 -	3	6	35	7	15	16

Including deaths from croup.
 Including 114 deaths from "plague" in Bombay and 2 in Madras.
 Including 1 death from cholera in Bombay and 4 in Madras.
 Including 6 deaths from malarial fever.

								М	ete	orou	ogica	ıı	Ooser	vation	18.							15
		Ozone.		0.2	1.5	0.0	0.0	0.0	0.0	0.0	0.3	26	sea ;	ns of bulb sions ears	the oum oum The	bles.	and	eter.	ate;	g of		
Rain	collected in a		surfaceis 5 inches above the Ground,	in. 0.05	0.15	00.0	0.01	00.0	0.00	0.03	Sum 0.24	25	of the	The means wet le correct wenty y	1868 for mometer minimum 18).	brical Ta	higher,"	lectrom	m. moderate ne Instrument	oeginnin 11h P.M		
			Departure from Average of 16 Years.	Miles.	+288	+120	+ 29	-162	-162	- 78	Sum + 24	24	ean leve	n. P.M. T and the sation of	ending alb then num and air (coll	ygromet n of the orizonta	ears end licates"	of the the	weak; m.	at the l		
В.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	109	435	345	155	155	240	Sum 2231	23	nidnight ve the m	r., and 9h mometer he applicade duri	y years to dry b maxim re of the	discussion of he	rtne 10 y 1at + ind	dexerror elf-regist	Stokes St	Jay. 2945 in.		
nometer	-	l e	Mean of 24 hourly obs.	lbs.	1.2	6.0	0.3	0.0	0.1	0.1	:	22	ht to 1	3h. P.1 ther s by t	of the of the peratu	by Glaron a rom a and t	ras ro ind tl	thein on's s	gative	each y fron	week	
m Anen		Pressure on the Square Foot.	Least. h	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig 159 fe	noon; bulk value	the the sading ings of tem	rived f g 1890	e in n	red for	N. ne e Cam	ine on nerall	of the	
aced fro		Pressu	Great- I	1bs.	22.5	6.6	3.7	1.7	5.2	2.4	:	20	from n	A.M.; te dry daily	luring san re read ralue degree	rmom hat de endin	ometr born	from	ive; om th	sunsh sed ge	e end	
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	S.W.S.	& WSW. W. &	NNW. SW.	WSW. &	WSW. W.	SSE. &	SSW.	Variable	161	ivil day, or lof the baron	taken at 9h. arometer, the into mean	corrected mean of the mean daily erature and	wet bulb the of the sair ist the 50 years	or the anemark 124 it will be e.	in 17 are not od.	e:-P. posit 8,derived fr	n of bright neter decrea	9.60 in. by th	
		General Direction.	А.М.							ESE., S.	Vari	18	The results apply to the civil day, or from midnight to midnight.  The heightfof the cistern of the barometer is 189 feet above the mean level of the sea;	Observations are usually taken at \$h. AM.; noon; \$h. P.M.; and \$h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the kwenty years	encing 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily value of temperature and the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean	daily values of the day and wet bull thermometers by Glaisher's Hygrometrical Tables, daily values of the day and wet bull the anometers by Glaisher's Hygrometrical Tables, daily values of the observations and the second of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement and the control of the cont	or the arriving anscussion of the anemometric records for the lo years munit force.  In reading columns 9 and 24 it will be borne in mind that + indicates" higher, and  - "lower," than the average.	The values given in column 17 are not corrected for the index error of the therm <b>ometer</b> , which cannot be determined.  When cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer.	The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. tirong; and v. variable.  S. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument,	show the aggregate duration of bright sunshine on each day. The reading of the barometer decreased generally from 29/15 in. at the beginning of the parameter decreased generally from 29/15 in. at the beginning of the parameter of 20/25 in hw 11h p.M. on	ecreased to 2	
RE.		Of the Earth	3 feet below the Surface,	0 45.57	45.27	45.00	44.90	45.00	45.15	45.00	45.13	17	results a heighto	rvations e-readir meter,	1873 for meters, meters, aily dev	alues of verage to t Green	ading co	cannot record	mbols g; and	he aggrereading	and d	
LEMPERATURE		f. tion.	Lowest on the Grass.	28.8	33.0	35.9	37.1	23.1	22.7	39.0	31.3	16	The	Obse the ey thermo	ending thermo combin thermo mean d	daily v Thea made a	In re	The which The	The sisten	show t The	the 5th	
TEM		Of Radiation,	Highest in Sun's Rays.	00.0	8.09	₹99	64.8	6.10	54.4	71.7	2.62	15		Brisk	sleet, A.M.; over-	and light afternoon;	noon;	valent	early	t rain.		
	Degree	of Hu- midity (Satu-	ration equals 100).	92	81	78	06	98	16	06	- 87	14	ß.	showers.	hail, i llh. ning; vers o	and	till ional	og pre	fog and hoar frost in sreast afterwards.	l sligh		
ween			Least.	0.8	1.5	5.3	1.3	0.4	0.0	11	1.5	13	MARI		h rain  M. an  till eve  skill shov	wind ne till	; fine	ight f	ar fro	asiona		1
ance bet	Temper Dew Po	nperatu	Great-	0 4.4	6.5	2-6	2.9	0.1	4.1	4.8	6.4	12	AL RE	asione	n wit 9h. A loudy nd and	gusty ng; fl s.	rning	lly; sl	afterv	st ; occ		
Differ	the Air Temperature	Ter	Mean daily value.	0 61	5.4	6.3	2-7	3.6	2.2	61 61	3.7	11	GENERAL REMARKS	ith occ	ill noo tween ially cl	rward with morni rward	wards	genera he day		vercas		
	Of the	Dew point.	Mean daily value.	36.2	32.9	35.4	46.5	35.1	38.5	44.0	38.3	10	GE	Variable with occasional vind at night.	cast to ow be do partith structure	Overcast with gusty wind showers in morning; fine till overcast afterwards.	cast	fine for the forter f	Fine with fog and hoar fr morning; overcast afterwards.	Generally overcast; occasional slight rain.		
园.			De- parture from Average of 50 years.	0.0	6.0 -	+ 3.5	+10.8	+ 0.7	+ 2.2	+ 8.7	+ 3.7	6		Varia wind a	Overcast till noon with rain, hail, sleet, and snow between 9h. A.M. and 1lh A.M.: fine and partially cloudy till evening; overcast with strong wind and showers of rain	overcast with grands.	Overcast in morning; fine till cloudy afterwards with occasional	Very fine generally; slight fog prevalent throughout the day. Hoar frost in morning	Fine with morning; ov	Gene		
TEMPERATURE		ir.	Mean daily value.	38.5	38.3	41.7	49.2	39.0	40.2	46.8	42.0	8	Registered Sun above Sunshine Horizon, in hours.	6.2	6.2	6.2	7.9	8.0	0.8	0.8	Sum 55.6	29
TEMPE		Of the Air.	Daily Range.	0 %	6.4	2.0	11.7	19.3	15.6	8.0	7.01	7	ered Su ine H ine in	<del>.</del>								00
			Low- est	33.6	35.6	39-7	41.3	31.3	30.5	42.2	36.2	9	Regist Sunsh in hor	6.0	2,3	2.0	1.6	0.1	0.0	0.0	9.0 9.0	38
_			High-	0 42:2	42.0	44.5	53.0	20.6	45.8	50.3	46.9	5	r of te.)	P.M.; N. till after-	A.M.; I. fill th oc- after-	- Y	out -	- pnoi	out -	rally;		
BARO-	Woon	daily reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 28:993	28*832	59.688	29-844	30.175	30.039	29-629	29.604	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. till 4h. P.M.; w. P. and w. N. till 7h. P.M.; w. P. after-	till 9h. nd v. P. w. P. wil	arus. w. P. generally	w. P. throughout	w. P. throughout	w. P. throughout	w. P. generally occasional w. N.		27
		Phases	Moon.		:	П	Equator	Last	Quarter.	:		60	ELI (For e	w. P. a W. P. a 7h. P.M.	wards. w. P. till 9h. A.M.: v. P. and v. N. till noon; w. P. with oc- casional w. N. after-	wards. w. P.	w.P.	w.P.	w.P.	w. l		
			9	Υ.	ু হা	60	4	10	9	-	1	- up	1	-	ে	e0	4	10	9	-		
	1000	1099.	MONTH AND DAY	JANUARY SHINDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. JANUARY	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

#### OFFICIAL COPI.

#### WEEKLY RETURN

#### BIRTHS AND DEATHS LONDON IN

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 2. 1899. Vol. LX.] WEEK ENDING SATURDAY, JAN. 14.

[Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, January 16th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 18:3 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Weeks ending
Towns.	Dec. 24.	Dec. 31.	Jan. 7.	Jan. 14.	Towns. Dec. Dec. Jan. Jan 24. 31. 7. 14
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	14·3 19·0 17·6 21·3 16·3 18·8 17·8 13·8 10·6 13·8 13·4 15·6 19·4 14·8 15·0	$ \begin{array}{ c c c } \hline 12.6 \\ 16.9 \\ 24.6 \\ 14.6 \end{array} $	21·9 15·2 16·1 18·0 15·7 12·6 15·9 14·7	11·8 22·5 13·9 21·2 12·9	Leicester

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1:0 in Bolton, in Salford, and in Gateshead, and 1.5 in Nottingham; from scarlet fever, 1.0 in Swansea; from whooping-cough, 1.0 in Huddersfield and in Swansea, and 1.8 in Bristol; from "fever," 1.3 in Bolton; and from diarrhæa, 1.2 in Wolverhampton. The 85 deaths from diphtheria included 34 in London, 8 in Leeds, 5 in Liverpool, 4 in West Ham, 4 in Sheffield, 3 in Portsmouth, 3 in Norwich, and 3 in Nottingham. No death from small-pox was registered in any of the thirtythree towns.

#### LONDON.

In LONDON† 2435 BIRTHS and 1568 DEATHS were registered. Allowing for increase of population, the births were 460, and the deaths 773, below the average numbers in the corresponding weeks of the last ten

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

years. The annual death-rate per 1000 from all causes, which had been 17.0, 18.4, and 19.1 in the preceding three weeks, fell again last week to 18.0. During the four weeks ending on Saturday last the death-rate averaged 18.1 per 1000, being 6.3 per 1000 below the mean rate in the corresponding.

periods of the ten years 1889-98.

The 1568 deaths included 27 from measles, 8 from scarlet fever, 34 from diphtheria, 37 from whooping-cough, 10 from enteric fever, 11 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 127 deaths were referred to these diseases, being 109 below the corrected average weekly number.

The deaths from measles, which had been 24, 31, and 27 in the preceding three weeks, were again 27 last week, the corrected average being 74; 6 cases belonged to Bethnal Green, and 5 to Shoreditch sanitary areas. The deaths from scarlet fever, which had been 14, 12, and 11 in the preceding three weeks, further fell last week to 8, and were 12 below the corrected average. The deaths from diphtheria, which had been 46, 47, and 30 in the preceding three weeks, rose again last week to 34, but were 7 below the corrected average; 4 cases belonged to Lambeth, 3 to Camberwell, 3 to Newington, 3 to St. Pancras, and 3 to Shoreditch sanitary areas. The deaths from whooping-cough, which had been 21, 32, and 41 in the preceding three weeks, fell again last week to 37, and were 36 below the corrected average; 7 cases belonged to Chelsea, 5 to Wandsworth, 4 to Camberwell, 4 to Newington, and 4 to Islington sanitary areas. The fatal cases of enteric fever, which had been 21, 15, and 17 in the preceding three weeks, fell again last week to 10, and were 3 below the corrected average; 3 cases belonged to Lambeth sanitary area. The deaths from diarrhæa, which had been 19, 14, and 13 in the preceding three weeks, further fell last week to 11, and were 3 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 284, 306, and 365 in the preceding three weeks, were 363 last week, the corrected average being 764. The deaths attributed directly to influenza numbered 8, having been 12, 15, and 17 in the preceding three weeks.

Different forms of violence caused 77 deaths, concerning all but 1 of which inquests were held. Of these 77 deaths, 10 were cases of suicide, and 1 of homicide, while the remaining 66 were attributed to accident or negligence. Two of these were referred to vehicles in the streets, 17 to burns and scalds, and 15 (of infants under one year of age) to suffocation

in bed.

#### CASES OF INFECTIOUS SICKNESS IN HOSPITALS\*.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2777 cases of scarlet fever, 1257 of diphtheria, and 250 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 220 cases, against 221, 225, and 291; of diphtheria, 149 cases, against 171, 166, and 156; and of enteric fever, 35 cases, against 40, 30, and 36.

### GREATER LONDON.

In Greater London 3454 births and 2067 deaths were registered, corresponding to annual rates of 27.6 and 16.5 per 1000 of the estimated population. In the Outer Ring 8 deaths from measles, 9 from diphtheria, 17 from whooping-cough, and 4 from "fever," were registered. Five deaths from measles, 3 from diphtheria, and 5 from whooping-cough occurred in West Ham district; 6 deaths from whooping-cough occurred in Edmonton District.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was  $29\cdot42$  inches, and that of the Thermometer  $45\cdot0^\circ$ ; the latter being  $7\cdot0^\circ$  above the week's average in the 50 years 1841-90. The direction of the wind was south-westerly, the horizontal movement of the air being 35 per cent, above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was  $20\cdot3$  hours; the measured rainfall amounted to  $1\cdot03$  inches.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

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ending ary 1899.		DEATHS.	25	-	3995	1568	98	000	961	69	107	45	34	66	166	38	53	97	24	42	277	56	76	29	31	49	41	<b>4</b> 2	07	173	123	99	29	46	7.1
the Week ending 14th January 1899,		BIRTHS, DEATHS.	-	1		2435	156	19	61	80	320	96	533	77	377	×2.	108	129	09	55	442	111	150	92	1.9	63	17.	7.5	96 1e	948	268	138	119	74	150
-	estimated to the	middle of the Year 1899,*		_	20	1,546,752	300,241	127,751	113,226	190,741	100.001 110.098	185.826	103,722	88.821	514,956	113.266	213,851	239,384	106,401	115,162	634,212	162,221	218.244	150,772	113,081	135,154	111,022	103,464	936 v41	453,880	361,169	234,270	145,613	106,552	228,620
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CITIES		BOROUGHS.	Ö		33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PLYMOITTH -	BRISTOI.	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL -	Borron -	SALFORD -	OLDHAM -	BURNLEY -	BLACKEURN-	- NOISE	HUDDERSFIELD	BRADFORD -	LEEDS	SHEFFIELD -	BULL	SUNDELLAND	GATESHEAD -	NEW CASTLE

Table 2. LONDON.—Births and Deaths Registered in the Second Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2671	2818	2761	2680	2715	2867	2922	2454	2928	2703	2895.3	2435
Males Females -	1329 1342	1484 1334	1363 1398	1356 1324	1375 1340	1444 1423	1498 1424	1218 1236	1519 1409	1382 -1321	1469.6 1425.7	1275 1160
TOTAL Deaths -	2075	2747	2513	3271	2503	2461	1622	1540	1538	1982	2341.2	1568
Males Females	1023 1052	1436 1311	1163 1350	1525 1746	1193 1310	$1236 \\ 1225$	806 816	767 773	765 773	997 985	1148·0 1193·2	808 <b>760</b>

<sup>\*</sup>The numbers in this column are the average weekly numbers in the second week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

		_					_						
	Oct. 22.	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.	Dec.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan.	Jan. 14.
TOTAL Births	2468	2652	2530	2696	2585	2155	2575	2577	2519	2422	2215	2893	2435
TOTAL Deaths	1497	1411	1394	1405	1436	1439	1569	1447	1423	1470	1593	1666	1568
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{array}{c} \textbf{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20  & - & - \\ 20-40  & - & - \\ 40-60  & - & - \\ 60-80  & - & - \\ 80 \text{ years and upwards} \end{array} \end{cases}$	351 167 93 199 320 290 77	349 169 82 178 282 287 64	357 155 73 198 276 258 77	328 158 76 191 293 299 60	310 171 98 197 305 286 69	320 157 95 198 237 302 80	362 203 78 190 297 349 90	289 166 77 196 320 331 68	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	825 175 78 224 390 396 78	320 177 87 223 331 346 84
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever Diarrhæa and Dysentery Cholera	12 14 30 10 - 28 - 48	19 10 46 13 - 20 2 33 1	23 13 28 10 1 29 - 34	19 17 31 13 27 - 17	19 12 44 14 28 - 16	24 7 38 16 - 33 - 6	25 9 43 28 21 	22 11 43 22 1 26 79	31 40 26 19	24 14 46 21 - 21 - 19	31 12 47 32 15 14	27 11 30 41 - 17 13	27 8 34 37 - 10 - 11
All the above Diseases -	142	144	138	124	133	125	143	144	135	145	152	139	127
Dis. of Respiratory System - Phthisis Dis. of Circulatory System - Violence Inquest Cases Deaths in Public Institutions -	263 169 137 52 121 459	262 140 125 63 135 459	237 135 130 50 114 433	248 155 133 71 143 451	285 183 125 67 137 468	280 148 145 66 139 473	340 161 145 76 179 446	295 153 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82- 209 540	363 179 152 77 171 485
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	55.3 60.0 50.8	55.5 61.0 50.6	49 8 56 5 43 0	49.6 56.0 44.0	48.0 52.5 43.1	4η7 45·2 37·3	44.1 47.6 39.5	49·4 52·7 45·1	48.0 51.9 43.0	40°1 45°3 34°6	43°3 48°1 36°8	42.0 46.9 36.2	45.0 50.7 39.8
Humidity of the Air	87	82	79	93	89	90 .	85	83	83	80	84	87	83
Rain-fall (in inches)	1.42	1.03	0.52	0.02	0.03	1.88	0.26	1.31	0.00	0.03	0.81	0.24	1.03
Registered Sunshine (in hours)	10.9	22.2	28.7	27.2	10-7	7.0	5.6	6.7	0.8	12.9	14.0	5.6	20.3
CASES OF INFECT	ious	SICKN	ESS IN	Hosi	PITALS	* AT 1	THE E	ND OF	EACH	WEE	K.		
Small-pox	2915 1169 214	3031 1187 223	3092 1241 230	3188 1251 242	$\begin{bmatrix} - \\ 3259 \\ 1251 \\ 252 \end{bmatrix}$	3162 1250 266	3142 1274 286	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	2777 1257 250
		-	4.00	-		-		-	_	-			

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott. Esq., Bristol; E. Simpson; Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and F. B. Jobbyer Esq., M.B., Nottingham: E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Press'on; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Pesk, Hull.

LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 4. SECOND Week of the Year 1899.

			-						-		minutes variable			eres e respect	CLHQ19000	Special and	marchine)	Name of Street,	mentors.
	r the	S	In	the	Wee l4th	k en Jan	ding	189	9.		r the years		In Satu	the rday	We, 14t	ek er h Ja	nuar	y 189	99.
	ges for the 10 3*,		De	aths th	of F	erso: ges	ns o:	£			ges for the 10 8*,		De	cths t	of I	Perso	ns o	f	
AUSES OF DEATH	Averages ik of the 1889-98*.		υ	nder 20.	r	er 40°	er 60.	er 80,	and	CAUSES OF DEATH	Averages k of the 1889-98*,	on the same of the	τ	Jnde 29.	r	er 40.	er 60.		and
	Corrected A. 2nd Week	ALL AGES	0-1	1-5,	5-20.	20 and under 40.	40 and under 60.	60 and under	80 years upwards.		Corrected 2nd Week	ALL AGES.	0-1.	1-5.	5-20.	20 and under	40 and under	60 and under	sc years upwards
CAUSES	2341.2	1568	320	177	87	223	331	346	84	Diseases of Circulatory System }	209.8	152	2	2	10	26	43	60	9
II- {Vaccinated† - Unvaccinated No Statement les et Fever us ssing Fever	0°3 0°1 0°3 74°0 19°8	- 27 8 -	10 1	- - 15 3 -	1 4 -	1	111111		11111	Croup Bronchitis Pneumonia Other Diseases of Res- piratory System -	8.0 503.2 191.4 6.0 55.5	1 193 123 9 37	51 31 1 2	28 1	1 1 - 3	- 6 19 - 4	31 19 3 8	4	2
enza	54·0 72·5 41·3 0·5 12·6 0·1 14·3	8 37 34 - 10 - 11	13 2 - - - 5 -	22 18 - - 3	1 2 13	7	3	1 - - - 1	1 2	Dentition Quinsy, Sore Throat - Enteritis Peritoritis Diseases of Liver Other Diseases of Digestive System	9·6 2·1 13·4 7·9 25·1 34·5	6 2 19 5 24 33	4 -7 -1 7	1 2 -	1 4 1 1 2	- 2 3 4 7	- 1 1 12 11	- 2 - 6 4	1 -
ophobia	0.4 10.3	1 1 5	- - - 3			2	-	2	1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	18	1	-			-	1	-	I I
pelas nia and Septicæmia peral Fever r Zymotic Diseases	5'4 2'1 7'2 2'1	6245	1 - 1	1111	- - 1	1 4 2	- - 1	41 1.1	-	Diseases of Urinary }	52.2	67 		-	2	11	22	25	7
sh	0·9 0·1				-	-		-	-	Diseases of Generative } System	5°3 5°3	5 4	1 - 	1	-	1 4	2	-	-
cal Diseases - }						_	_		-	Diseases of Locomotive	6.2	5	-		1	-	2	2	-
ation, Want of ast-milk	2·5 12·1	3 14	2 -	- -	-	6	- 5	3	-	Diseases of Integumen- tary System-	7:2	2	1	-	-	-	_	1	-
matic Fever, eumatism of Heart }	8·5 2·3 3·9	1		1 1 1	1 -	-		-		VIOLENT DEATHS.: (ACCIDENT.)	-	9				2			
ots	5.7 68.5 18.8 21.7 210.2 17.5	68 10 23 179 25	7 10 4 9	1 3 10 2 5	1 3 13 4	- - 73 5	31 - 77 2	25 - 10 -	5	By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) - In Building Operations -		321 - 1	-	-	1 1 1	1 1 1 1	2 -	1	1 -
ature Birth - ctasis	50·1 4·5 7·8 69·1	10 43 5 4 62	43 5 3	- - 1		3	5	35	- 27	In Conflagrations - By Burns, Scalds, Ex- plosions By Drowning By Suffocation in Bed By Poisons or Poisonous Vapours Other or not stated causes	66.3	17 5 15 2 22	- 15 -	11 4	2 2	2 - 5	2 3 - 3	- - 2 6	1
lexy psy ulsions r Diseases of Brain Nervous System	57·2 9·4 49·0 105·4	36 1 34 89		- - 6 7		2	14 - -		3 -	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide	1.1	1 10		-	1 1	1 3	- 5	-2	-
ses of Organs of }	3.2	5	-	2	1.	1	-	1		OTHER CAUSES -	61.1	34	31	-	-	1	2		
he numbers in this co	lumn ar	e the	ave	rag	e w	reek	lv	lea	thsf	or the ten years 1889-98, rais	sed by 52	213 pc	er c	ent	. fo	r in	cre	ase	'

the numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase equilibrium, and those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered cal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of lent, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 14th January, 1899.

ĺ								_	_		gister	red dr	iring	the W	eek i	nelud	0		
		France			Dea	ths of	1				Death							ons.	a go
	REGISTRATION SUB-DISTRICTS.	Enume- rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus,	Enteric (or Typhold)	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases,	Peathsin Public Institutions	Uncertified Causes
l	LONDON	4,411,710	2435	1568	320	430		27	8	34	37		10		11	77	171	<b>48</b> 5	-
	WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	381 512 105 498 939	247 343 107 271 561 39	41 72 19 63 120	74 97 24 57 162	111111	3 2 21 1	- - 6 1	3 11 1 3 16	12 8 - 2 15 -	11161 1	2 2 1 5 -	1 1 1 1 1	1 3 1 1 5 -	10 14 9 20 23	27 33 18 46 46 46	74 104 42 98 128 39	Charles and the second
	WEST DISTRICTS.  St. Mary Paddington $H$ G. & W.  St. John Paddington $H$ - G.	90,996 33,510	39 9	29	5 1	10 2	-	-	1 -1		2 -	-		-		1	2 2	7 5	the first of
ı	Kensington Town $Ww - Ww - Ww$ . Brompton $HH- Ww - Ww$ . St. Peter Hammersmith $Ww - Ww$ .	122,164 48,301 9,097	62 3 5	34	3	18 5	-	-		1 1 1	1	1 1 1		-	-	1 1 1	2 -	14	1000
ı	St. Paul Hammersmith HH W. & G. Fulham Win W. & C. Chelsea Kensal Town - C.	25,102 113,781 21,450	59 96 9	31 36 12	8 7 3	6 -	-	-		2	1 1 5	1 1	ī -	-	1,1	1 -	5 3 2	13	1
١	Chelsea North $WHHHHHH - C$ . Chelsea South $HH - C$ . May Fair $W - C - C$ .	42,057 33,139 23,827	15 18	15 11 14	2 1	7 2 4	-			1	1		-	-	- 1 -	2	- 4	7 3 6 7	The State of
	Belgrave $WHHH$ C. St. John Westminster $HH$ C. St. Margaret Westminster $H$ C.	56,140 31,492 22,097	26 13 7	19 10 5	5 3 1	8 3 -	-	- 1 -	4.1.1	1 1 1	-		-		- 1 -	1 -	2 2 -	$\frac{7}{3}$	Colomes of
		23,050 12,048	13 5	7 2	1	4 1	-	-	-	-	-	-	-	-	-	-	1 2	4	and the same
	NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	11 10 28 12 12	18 10 10 8 10	4 2 1 1 5	3 7 5 2 3	1 1 1 1 1		11.11		- - - 1	1 1 1 1 1	1111		1	1 - 1 -	2 - 2 1	6 4 1 -	State of the state
ı	$\left. \begin{array}{c} \mathbf{Hampstead} \\ \mathbf{WwHHHH} \end{array} \right\} - \mathbf{N. \& W.}$	75,449	29	22	4	4	-	-	1	3	-	-	2	-	-	1	2	11	
	Regent's Park Pancras $HH$ - W. Tottenham-court $\Big\}$ - N. & W. Gray's Inn Lane $HHH$ - N. Somers Town $HH$ - N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	17 12 13 16 8 50	13 15 9 7 10 29	1 2 2 2 2 7	5 2 1 1 8 7	1 1 1111	2	1 1 1 1 1 1	1 2 -	- 2			1 1 1 1 1	11111	- 1 1 - 1	1 2 2 - 2	- 8 3 2 8 5	
	$ \begin{array}{c cccc} \textbf{Upper Holloway} & & - & - & \textbf{N.} \\ \hline \textbf{\textit{WWWwHH}} & & & - & \textbf{N.} \\ \textbf{Islington South-west} & \textbf{\textit{H}} & - & \textbf{N.} \\ \textbf{Islington South-east} & - & - & \textbf{N.} \\ \textbf{Highbury} & \textbf{\textit{HH}} & - & - & \textbf{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	48 55 35 27	57 30 13 19	12 10 3 4	15 10 4 9	1 1 1 1	1		1 -	2 2 -		-	1111	1	2 2 1 1	3 6 1 2	32 1 - 1	
	Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E.&N.	33,485	$\left\{\begin{array}{c} 23 \\ 21 \\ 19 \\ 36 \\ 30 \end{array}\right.$	11 5 14 15 18	1 2 3 4	2 1 1 3 4	11111	1 1 1 1		1 3 -	- - 1		11111	1111	1	1 1 -	1 2 1 3	- 7 5 10	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers arreceived; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junctic Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. East London; and K. the Kent Company.

See note  $\dagger$  on first page of this Return

SLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday, 14th January, 1899—continued.

							Th	e DEZ	THS	regis	tered	durin	g the	Wee	kinel	ude		
	Enume-			Deat	hs of	1				Deat	hs fro	139					tions	Jo
REGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896,	Total Births.	Total DEATHS	Infants under I Year of Age,	Persons aged 60 Years and upwards.	Smarl-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhes.	Violence	Inquest Cases.	Deaths in Public Institutions	Uncertified Causes
CENTRAL DISTRICTS.  Géorge Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	1 6 3	5 8 2	- 1	2 3 1		-				9	-		111	1	3 -	3 -	-
Martin-in-the-Fields HHN.&C. and WHH N. and Union Workhouse, Edmonton	13,077 11,839 +1,037	2 5 -	11 -	- 1 -	1 5 -		-	-	1 1 1	111			-	1 1 1	- 1 -	2 -	3 5 -	
James Clerkenwell - N.  James Clerkenwell - N.  swell-street - N.  jy-road HHLL - N.  sitecross-street - N.  sbury - N.  skyry - N.  skyry - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	88 21 77 27 5 3	19 6 9 4 9 3 -	8 1 4 - 1 1	2 1 1 2 2 -	1 1 1 1 1 1 4 1 1	1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	200 200 200 200 200 200 200 200 200 200		1 1 1 1 1 1 1		1	1	2 1 3 - 2	10 - 3	1114111
Botolph $H$ N. & E. ipplegate N. & E. Sepulchre $WH$ N. Ihallows Barking N. oad Street $H$ N. by of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	3 1 2 2 1	1 18 7 -1	111	1 - 2	11111	11111	-	ī 1 - -	111111	11111	11111	-	111111	5	5	17 - 1	
EAST DISTRICTS.  oreditch South $Hl$ - E. & N. exton New Town $w$ - N. txton Old Town - N. eggerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	8 25 18 31	3 10 10 22	1 1 4 2	24215	1111	1 - 1 3	-	-	-		- 1		1111	- 2 - 1	- 2 1 2	2 4 - 12	- 1 - 1 -
thnal Green North $H$ - E. thnal Green South - E. thnal Green East $WHl$ - E.	49,301 34,194 45,667	57 33 32	14 15 23	4 10 3	2 2 5		4 1 1		1 -	1 - 1		-	-	- 1	1 2 -	2 2 2	2 16	1 1 1
italfields E. & N. le End New Town* WH - E. odman's Fields* E.	26,681 } 51,995 {	21 22 15	7 33 3	3 2	2 4 -	-	- 2 1		2 -	-	-	-	-	-	3 -	1 4 -	28	
George's North E. John, St. George East W E.	<b>3</b> 9,576 <b>7,</b> 930	35 4	11 3	4	1	-	-	1.1		11	-		-	-	1	3 -	ī	-
adwell $H$ E. & N. teliff $W$ E. mehouse E.	10,434 14,954 32,917	8 10 18	4 4 5	- 1 2	- 3	-	1	-		1		 	-	1,11	- 1	- 2	3 -	1 1 1
$egin{array}{ll}  ext{le End Old Town West} & H & E. \  ext{le End Old Town East} \  ext{} & - & E. \  ext{} \  ext{} \end{array}$	} 111,060	{ 56 31	18 24	8	3 8	-	1 2	-			-				1	5 2	11	1 1
w $l$ $   E$ omley $wwwH$ $  E$ plar $WW$ $   E$ .	41,687 69,821 57,759	22 41 31	14 29 19	28 3	2 7 4		- 2 1			i	-		-	-	1 3 3	2 6 10	3 13 3	

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of London.

\* Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox Measli Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhoa, Violence, &c., registered in ea Sub-District during the Week ending Saturday, 14th January, 1899—continued.

k	SUB-DISTRICT during the We	OK CHUIII	g Davi	ii day		п ос	bii ua	ıry,	1000	J—01	7166 61	ucu							-
ı								The	DEAT	THS re	gister	ed du	ring t	he W	eek ir	clud	е		
ı		Enume-	an 1		Deat	hsof				I	eaths	fron	n .					utions	of
	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total Births.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Şmall-pox,	Measles.	Scarlet Fever,	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhosa.	Violence.	Inquest Carer.	Deaths in Public Institutions.	Uncertified Canasa
ı			. ,			1.												:	
I	SOUTH DISTRICTS.																		
ı	Christehurch Southwark $WHL$ .&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road $WH$ - S. & L. London-road $HL$ - L. &S. Trinity Newington - S. &L. St. Peter Walworth $W$ - S. & L. St. Mary Newington - L. &S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	3 10 18 9 18 20 47 23	7 4 6 5 9 9 30 12	21 - 31 38 3	1 1 3 9 2	Zinini jini		. 1 1 1 1 1 1 1 1	1	1 2 1	1711111			× 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 - 1 - 1 -	1 1 1 1 3 - 3 -	21 42	
	St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	11 59 25	14 29 13	$\frac{-}{7}$	10 2	- <del>-</del> -		-	7 - 7		- 7 - 7 - 7			-	3 1 1	- 3 6 1	13 - 5	1 814 3
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	20 8 24 42 13 33 13	14 18 29 16 9 24 .9	4 4 3 6 4 3 -	3195102	1111111	111111	- - - - 1	1 2 1	11111		1	111161	111111	2 -	2 4 1	10 18 - - 3	1 Andread in Strate
	East Battersea $  -$ S. West Battersea $WwH$ $-$ S. Clapham $H$ $ -$ S. Wandsworth $WHHL$ $-$ S. Putney $ -$ S. Streatham $WwwWL$ $-$ L.	71,730 93,385 46,953 58,101 20,566 61,644	49 42 24 30 8 29	20 35 8 13 4 25	10 4 2 2 - 9	5 16 5 6 2 6	Tana	111111	2	111111	1 1213	TATELLE.		11111	11111	2 3 - 2 1	5 4 - 3 1 3	16	I shall be before
	Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 34 54 41	2 37 22 20	- 4 7 6	11 8 2	3+1-1	- - 1	1111	- 2	1 2 1	1111		1111	- 1 1 -	- - 1	- - 1	22 1	1
	Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	26 34 17 17 18	6 16 .8 .7 11	2 3 2 1 -	23515	Farij	1111	ī.	- -	11111	11111	1111		1	111	- - 1 1	4 - 4	1 1 4/1 1
	Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 8 23 19	20 20 5	1 2 2 2	1 2 7 1	1111	1111		3 -		1,11	1		- - -	1	1 -	8	1 1 1 7
l	Charlton $wHH$ $K$ . Woolwich Dockyard $K$ . Woolwich Arsenal $HHHH$ - $K$ . Plumstead West $H$ $K$ . Plumstead East $WH$ $K$ .	15,928 19,355 21,959 16,714 42,538	6 10 13 9 28	13 4 3 5 12	3 - 4	4 1 4 4	1113	1 1 1 7 1	1 - 1	5	11111				11111	2	1	7 - 3	1
	Banstead Asylum Cane Hill Asylum Cane Hill Asylum			5 6 5 - 1 - 4 5 1 - 5 7		2 4 1 - 1 2 - 4 1		11111 1 11111	1 1 1 -				-	STREET, LIES	TITLE LITTE	1	1	565 5 - 1 - 4 51 - 57	111111 111111

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 14th January, 1899.

								The	DEA			ered i		Week	incit	ıde		_
gis- tion triet ad ab- riet am- rs.	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1 Tear of Age.	Persons aged 60 z	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LON	DON-OUTER RING -	368,749	1,422,063	1019	499	115	158	· 02	9	1	12	17	4	1	14	35	54	P
:1	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	11 5	4	1 1	1 2	-		-	-	-	_	- 1	-		- 1	
:1	Godstone, part of * W -	2,754	1,598	3	_	_	_	_	_	_	_		_			_	_	
:1	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	7 <u>1</u>	39 2	9	14			ī	1	1	-		1 -	-3-	5 -	
:1 2 3 4 5	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$   \left. \begin{array}{c}     3,220 \\     14,672 \\     4,565   \end{array} \right. $	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	16 22 4 3 8	6 21 2 1 3	1 3 1 1 -	7 - 1	11111		11111		. ī .	. <u>1</u>	1 1 1 1 1	1,	1 3 -	9 -	
:1	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	11 5	6 4	-	2 2	-	-	-			-	-	-	-	1 -	
:1	Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	9 9 9	6 1 5	3 -	1 1 2		-	1.1.1	1 - 1	111	1 -	2 6 2	-	-	3 -	
:1	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	25	8	. 1	5 1	1 -1		-	_	- 4	_		17.1	_	- 1	
:1	Sunbury w Staines WH	11,054 13,277	13,671 13,221	7 9	7 4	1	$\frac{1}{2}$	-		- 1	-	- -	a	-	-	. 1	-	
:1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	6 6 11	4 1 5	1 - 4	$\frac{1}{1}$	-	-		-		, <del>-</del>		-	-	- 1 - 1	
:1 2 3 4 5	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	$14 \\ 12 \\ 29 \\ 14 \\ 31$	12 12 10 8 11	4 1 3 1	4 4 3 4 3		11111	-	- - 1	1	-	11111	-	1	4	
:1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	5 - 57 9	17 8	1 4 1	4 - 3 4		- 1 -	1111		- - 1	-	1111	- 1 -	2 -		
:1	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	6,367 14,152 25,820	8 14	2 6 6	- 2 1	1 3 2		7 - 1		-	- 2	-		7	111	111	
:1 2 3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	39 80 34 29 2 10	18 33 16 14 3 5	2 7 7 8 - 1	7 11 4 1 2 1	1 1 1 1 1	1 1 -	11111	ī - - -	1 - 5 -	1 10 1 1 1		1 1 2 1 -	2 1 2 1 2	1 3 -	
:1	Hatfield, part of* W	3,306	582	-	-		-	-	-	-		-	-	-	-	-	-	
1 2	Bushey H Watford WH, part of* -	9,331 —	7,737	5	3	1 -	$\frac{2}{1}$	-	-		-	-	-	-	-	1	ĩ	
1 2 3 4 5 6 7 1 2	$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	26 48 47 35 55 53 63 7	17 20 24 20 14 39 21 3	4 3 10 4 3 7 6 1	4 6 2 9 5 14 3		1 1 3 - 1		3 - 1 1 1 - 1 -	1 - - 2 1 - -	1	11 111111	2 1 3	4 1 5 - 2 - 1	3 - 12 1	
:1	Romford, part of * WH - Ilford Barking Town, H Middlesex Co. Lunatic Asy	6,556 8,493 3,814	4,324 10,913 14,301 —	5 14 15 -	2 3 7 3	3 1	$\frac{1}{1}$			1 1 1 1	1111	1111	1 1 1 1	1111		2	1 - 3	
	Wandsworth. London Co. Lunatic Asy., Cane Hill.		-	-	1	-		-	-	-	- ,	-			-		1	

e as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham de Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst b-district, except the parish of Cheisfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in tifield sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping op. 1,079); 189: 1, the parish of Dagennam in Romford sub-district; also deaths in Workhouses and Hospitals for feetious Diseases belonging to the Outer Ring in 42: 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7, -GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS), -DEATHS and Rate of MORTALITY during the week ending Saturday, 14th January, 1899.

			ANNUA	L RATE			The DE	ATH	8 regi	stered	in th	e Wee	k inc	lude		
GREATER	Area	Population estimated	of Mor per 100	TALITY 0 living.	DEATHS	Dead	ths of				Death	s fron	a ' '			ublic
LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols, 8-14,	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-poz.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pu Institution
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	16.
GREATER LONDON	443,421	6,528,434	16.5	1.4	2067	435	588	Surin	36	9	46	54	14	12	91	539
INNER LONDON -	74,672	4,546,752	18.0	1.5	1568	320	430	-	27	8	34	37	10	.11	77	485
OUTER RING -	368,749	1,981,682	13.1	1.2	499	115	158		. 9	1	12	17	4	1	14	:54

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

		662.00	in certain	I OHEDIGI	OIII.							
	POPULATION				ANNUAL	DE	ATHS		PRI	SES.	L ZYM	OTIC
CITIES	(enumerated	DATE OF RETURN.	BIRTHS.	DEATHS.	DEATH-	0X.	38	et:	eria,	Whooping- cough.	L	Diarrheal Diseases.
OHE	estimated).	Week ending	Exclusive	of Stillborn	per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	oopi	Fever.	rrhc
						Smg	Ä	ιά Έ	Dip	Wh	H	Dia
Forespied .	298,927	January 14	151	151	26:3		2	4	2	10	1	,
EDINBURGH - GLASGOW	733,903	n 14	498	299	21.2	_	3	5	4	19	2	2
DUBLIN	-349,594	,, 14	233	.: 182	27.1	-	-	1	. 2	3	1	3
CALCUTTA	466,460	November 26	-			-		-			<del>.</del>	-
BOMBAY	821,764	December 27	207	715	45.2	2	8	?	. ?		203†	70
MADRAS	452,518	" 16	- 1	****	· →	-	-		-	1-	\	-
PARIS	2,511,629	January 7	1179	946	19.6	-	3	5	13*	. 9	11	35
BRUSSELS	551,011	,, 7	-		-,	-	-	-	-	-	-	77.00
AMSTERDAM -	508,266	December 31	284	184	18.7	-	3	-	1	4	. 2	- 2
ROTTERDAM -	303,878	,, 31	213	128	21.6	- 1	1	1	. 3	6	1	-
THE HAGUE -	196,325	,, 31	94	68	18:0		7	-	-	-5	-	-1
COPENHAGEN -	345,000	January 7	-	118	17:8	-	5	. 2	2	2		5
STOCKHOLM -	283,550	December 31 January 7	195	100 74	18·3 18·9	_	2	-	4* 3	2 2	-	6
CHRISTIANIA -	203,337							-		_	79	
ST. PETERSBURG	1,132,677 988,610	December 31	611	639	32·1 33·7	1 7	9	5 9	18 11	7 3	19	45 32
Moscow		,,	1	531			5	-		10	1	24
BERLIN	1,773,003 675,351	,, 24 January 7	918	217	15 <sup>-</sup> 3	-	1	11	18 1*	10,	1	5
DRESDEN	388,300	December 10	282	146	19.6			1	3*	4	_^	9
BRESLAU	392,795	January 7	-	181	- 24.0		_	3	1	2	1	9
MUNICH	430,000	,, 7			-	-	-	-		-		-
VIENNA	1,590,295	,, 7	831	567	18.3	-	11	4	13*	4	2	27
PRAGUE	380,497	December 31	200	180	24.6	,	9	5	8	-	1	3
BUDA-PESTH -	631,884	31	436	291	23'3	- :	15	4	1	2.	4	12
TRIESTE	165,177	,, 31		-			-	-		_	-	
ROME	499,540	, 17	228	177	18.5	-	1			2	17§	15
TURIN (10 days) VENICE	344,203 169,001	,, 20 31	81.	86	26.4	_			62	1		5
CAIRO	570,062	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						-				
ALEXANDRIA -	319,766	August 19		_		-		_	-		-	-
NEW YORK		,, 20		-								
(including }	3,438,899	December 24	1432	1446	21.9	-	. 6	12	33	8	12	8
BROOKLYN) ) PHILADELPHIA -	1,240,266	,, 17	-		to a	-	-	-	12.	. ~	-	-

<sup>\*</sup> Including deaths from croup. † Including 119 deaths from plague, † Including 2 deaths from cholera. § Including 9 deaths from makerial fever.

	_	ė								_			,	10										
		Ozone			00	1.2	4.5	0.0	0.0	0.0	0.0	6.0	136		sea ;	na of	rears	or is	ples.	and seter,	ate;	lent,	lth;	rsed
Rain	in a	whose receiving	surfaceis 5 inches above the Ground.	in.	0.00	0.00	0.17	0.13	0.58	91.0	0.00	Sum 1.03	25		l of the	The means of the wet bulb	wenty y	momet minir	m the n rical Ta bserval	ing 1875 tigher," ermom	ectrom moder	f the w	1 the 1 1h. A.M. 29'64 in.	l incres
			Departure from Average of 16 Years.	Miles.	1 48	+ 45	4 75	+ 32	+544	+182	- 47	Sum +783	24		an leve	P.M. T	ig the brading	lb ther	gromet gromet	ars end cates", of the th	ring El	usuine l inning c	A.M. of in. by sed to	ay; and
WB.		Robinson's.	Horizontal Movement of the Air on each Day.	~	270	363	394	351	864	503	275	Sum 3020	23		nidnight.	o sea leve. I., and 9h. mometer,	ade durir	of the maximum and minimum	y are dedu isher's Hy discussion	the 16 ye at + indi	elf-registe	lay. t the begi	n. by 10h. ed to 29.54 vy : increa	ie same d
momete		he.	Mean of 24 hourly obs.	lbs,	5.0	0.0	2.0	0.3	3.1	1.5	1.0	:	1 27		ht to retable	duce t 3b. P.1 ther	rds m	of the	midit oy Gla rom a	rds for	on's segative	each con a long	29.41 i ncreas nne da	on th
om Ane		Pressure on the Square Foot.	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21		nidnig s 159 fe	s to re noon; bulk	c reco	ading ings	of hu	e in n	Thoms N. ne	ne on 29.62 m	$_{ m lay}^{ m ed}$ to $_{ m the}^{ m sg}$	h. P.M
duced fr		Press	Great-	lbs.	ှင် က	2.0	7.3	4.0	32.0	15.9	1.4	:	30		irom r aeter ia	A.M.; he dry	graphi Inring	ean re	degree ermom hat de	ometri ometri o born	from Jive;	sunshi sed fro	ncreas Fame d M. on	n. by
Wind as deduced from Anemometers.	Osler's.	Direction.	P.M.		S. & SSE.	S. & SSE.	SW., SSW.	SSW. W.	SW., WSW.	SE. WSW.	& NW. & WSW.	W.	19		of the paron	taken at 9h. arometer, tl	of the photo	sorrected mean of the	erature and wet bulb the of the air ist	of the anem 24 it will be.	r is derived e:—P. posit	n of bright	the 10th; in P.M. on the in by 2h. P.	sed to 29:31 is week.
		General Direction.	A.M.		SSW. &	SSE. & S.	S. & SSW.	SW. &	SW. SSW.	WSW.SW.	wsw.	S.	18	1-4-41	The results apply to the civil day, or from midnight to midnight.  The height of the cistern of the barometer is 159 feet above the mean level of the sea	Described as been applied to the readings to reduce to sea level.  Observations are usually taken as 8th. A.M.; noon; 3th. F.M.; and 9th. F.M. The mea. the observations are usually taken as 8th. A.M.; noon; 3th. F.M.; and 9th. F.M. The mea. The operations of the barroneter, the dry bull thermometer, and the west thermometer, are converted into mover of all we plus burkers are sometered into mover of all we plus burkers are sometered into mover of all we plus burkers are sometered into mover of all we plus the sometered of the plus the plus the search of the plus t	deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer and during the twenty years	thermometers. With the corrected mean reading combined the corrected mean of the readings flatmometers forming the mean daily value of tem	mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet builb thermometers by Glaisher's Hygrometrical Tables. The average temperature of the air is that derived from addiscussion of the observations made at Green with during the contraction of the observations.	of the air from a discussion of the anemometric records for the 10 years ending 1875.  In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and - "louver," than the average.  The values given in column 17 are not corrected for the index error of the thermometer, which connot had a second and a second and a second and a second a second and a second a se	The record of Electricity as derived from Thomson's self-registering Electrometer.  The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; strong and v. variable.	show the aggregate duration of bright sunstine on each date the beginning of the week.  The reading of the barometer decreased from 2960 in. at the beginning of the week.	or 2510 in. by noon on the 10th; increased to 2941 in. by 10h, A.M. on the 11th; decreased to 2925 in. by 4th. P.M. on the same day; increased to 2954 in. by 1h. A.M. on the 2th; decreased to 2954 in. by 2h. P.M. on the same day; increased to 2946 in. by	13th; decrea
KE.		Of the Earth	below the Surface.	0	11.c <del>r</del>	45.48	19.94	45.80	19.9	45.50	45.26	45.49	17	140	esulus al	vations reading	from a 1873 for	neters.	uily dew lues of t erage te	r from g ding col r," than	mbols e	e aggreg	in, by ed to 29" decre	on the ] in, by th
LEMPEKATURE,	-	Radiation.	Lowest on the Grass.	0 0	38.0	37.3	32.1	32.0	32.0	35.0	29.1	33.7	16	The	The h	Obser the eye	deduce	thermor combine thermor	mean da duily va Theav made at	of the aj In rea - "lowe The vi	The re	show th The r	to 29'10 decrease the 12th	9h. A.M. to 29:90
T.E.V			Highest in Sun's Rays.	0 0	80.8	84.5	62.3	2.99	75.1	54.1	29.1	2.69	15			after-	Very			A.M.;		ht.		
	Degree	Satu-	ration equals 100).	0	ŝ	43	22	88	92	68	81	83	14		တို	very fine a Very mild.	cloudless.	Heavy shower of rain by gusty wind at	till evening; very	ll 3b. aftern ind.	brong inuous illy el	at nig]		
ween			Least.	0 8	B.O	0-5	2.1	2.5	1.6	0.0	6.6	1.5	13		MARE		r cloud		fine till ill evening	cloudy till 38 it rain till afte gale of wind.	vith s n cont partis	ndless		
Difference between	and Dew Point		Great- est.	0 6	200	0.6	8.8	5.1	12.8	11.7	6. 6.	9.3	12		GENERAL REMARKS	A.M.; night	nerally	y. Heg		lly clou nent ra A gale	ning vst witl	y; clo		
_	_		Mean daily value.	0 8		6.1	1.9	3.4	2.0	3.1	5.4	4.7	17		NER	II 10h. Hess at	ag pu	hower	n mo show	artiall frequ rds.	n mor	enerall		
	Of the	point.	Mean daily value.	0	7.04	45.0	41.5	36.7	40.3	41.0	35.4	40.3	10		E C	Overcast till 10h. ards; cloudless at	Very fine and generally	Variable; showery.	cast ist and erward	Fine and partially cloudy till 3h. oudy with frequent rain till afterne afterwards. A gale of wind, ild,	fine i	terwards. Very fine generally; cloudless at night.		
LE.		De-	parture from Average of 50 years.	0	+10.3	+10.5	+ 8.4	+ 2.2	+ 9.4	+ 6.1	+ 3.6	0.2 +	6			Overcast till 10h. A.M.; wards; cloudless at night.	Very	Variable; showery. Heaven hail accompanied by	Overcast in morning overcast and showery fine afterwards.	Fine and partially cloudy till 3h. A.M. cloudy with frequent rain till afternoon fine afterwards. A gale of wind, Verniid,	Very fine in morning with strong wind till 4h. A.M.; overcast with continuous rain till evening; fine and partially cloudy	atterwards. Very fine		
EMFERATO!			Mean daily value,	0 9	48.3	48.1	46.3	40.1	47.3	44.1	40.8	45.0	000	а вроте	in hours. in hours.	0.8	8.1	8.1	8.1		8.5	8•5	Sum 56.9	29
TENT	Of the Air.		Daily Range.	0 0	0	9.8	9.6	8.4	16.9	14.5	9.8	10.9	7	ng   pari	urs.			-+/						
			Low- est	0 (7)	e 55	43.7	40.8	36.2	37.6	9.68	36.4	39.8	9	Registe	sunsu in hou	4.9	6.3	4.6	255	8.0	0.0	4.1	Sum 20.3	28
			High- est.	0 12	# 1	52.3	20.2	9.55	54.5	54.1	45.0	2.09	2		e.)	ا ا	- ino	ally;	A.M.; till fter-	y till and P.M.;	A.M.; f. till fter-	ally;		
METER.	Mean	reading (cor-	and reduced to 32° Fahren-heit).	in.		29.354	29.171	29.375	29.128	29.217	29.796	29.418	4	OTRICITY	symbols, see Note.)	w. P. generally	w. P. throughout	gener al v. N.	ill 10h.	r. P. P. Ill 4h.	w. P. till 10h. A.M.; P. and w. N. till P.M.; w. P. after-	general m. P.		27
	Phases		Moon.		:	Greatest Dec. S.	:	New	Perigee	:	:		3	ELEC	symbol	W. P. g	w.P.t	w. P. generally occasional v. N.	w. P. till 10h. A.M.; v. P. and v. N. till 4h. P.M.; w. P. after-	wards. W.P. generally till Ih. F.M.; v. P. and v. N. till 4h. F.M.; w.P. afterwards.	w. P. till 10h. A.M.; w. P. and w. N. till 5h. P.M.; w. P. after-	warus. w. P. generally; occasional m. P.		
			a			6	10	ī	12	13	14	1	- u	_		00	6	10	Ħ	12	13	14		1
	1899.		Month And Day	JANUARY	TOUNDS	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	JANDARY.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

#### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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> General Register Office, Somerset House, January 23rd, 1899.

#### THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 18.2 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			Weeks	endin	g	*		Weeks	endin	g.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Dec	Towns.				Towns.				Jan. 21.
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	ad -   15."   tam -   20.5   n	Birkenhead - Birmingham - Blackburn - Bolton Bradford - Brighton - Bristol - Burnley - Cardiff Croydon - Derby Gateshead - Halifax - Huddersfield- Hull -	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	19·0 16·8 18·9 18·0 20·1 11·0 20·6 14·3 12·6 13·1 11·8 22·5 13·9 21·2 12·9	16·8 18·1 20·4 21·2 19·4 17·8 18·2 13·8 15·7 15·1 13·7 23·0 22·4 17·1 20·7	Liverpool	23·1 18·4 23·3 21·3 19·6 17·2 23·6 22·6 16·2 19·3 17·4 19·2 21·0 19·5	23·8 19·1 22·1 22·6 19·8 19·6 16·4 23·5 22·2 17·2 21·5 22·6 15·1	22·8 18·0 22·4 16·2 16·6 21·1 23·2 17·8 18·2 17·8 24·0 17·1 14·9	21·5 17·2 21·3 19·8 21·6 19·8 16·1 17·2 22·6 16·5 18·9 21·5 26·6

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in West Ham, 1.6 in Manchester, 2.0 in Huddersfield, 2.2 in Nottingham, and 2.4 in Gateshead; from whooping-cough, 1.0 in Derby, 1.1 in Cardiff, 1.3 in Bristol, 1.5 in Swansea and in Huddersfield, 1.7 in Nottingham, and 1.8 in Birkenhead; and from "fever," 1.3 in Bolton and in Preston, and 1.8 in Burnley. In none of the thirtythree towns did the death rate from scarlet fever or from diarrhæa reach 1.0 per 1000. The 68 deaths from diphtheria included 30 in London, 5 in Liverpool, 4 in West Ham, 4 in Portsmouth, 4 in Leicester, 4 in Sheffield, 3 in Birmingham, and 3 in Leeds. No death from small-pox was registered in any of the thirty-three towns.

LONDON.

In London† 2811 BIRTHS and 1503 DEATHS were registered. Allowing for increase of population, the births were 5, and the deaths 751.

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18·4, 19·1, and 18·0 in the preceding three weeks, further fell last week to 17·2. During the four weeks ending on Saturday last the death-rate averaged 18·2 per 1000, being 7·4 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1503 deaths included 30 from measles, 8 from scarlet fever, 30 from diphtheria, 40 from whooping-cough, 16 from enteric fever, 10 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 134 deaths were referred to these diseases, being 88 below the corrected

average weekly number.

The deaths from measles, which had been 31, 27, and 27 in the preceding three weeks, rose again last week to 30, but were 36 below the corrected average; 5 cases belonged to Shoreditch, 4 to Bethnal Green, and 4 to Newington sanitary areas. The deaths from scarlet fever, which had been 12, 11, and 8 in the preceding three weeks, were again 8 last week, the corrected average being 19. The deaths from diphtheria, which had been 47, 30, and 34 in the preceding three weeks, fell again last week to 30, and were 9 below the corrected average; 4 cases belonged to St. Pancras, and 4 to Wandsworth sanitary areas. The deaths from whooping-cough, which had been 32, 41, and 37 in the preceding three weeks, rose again last week to 40, but were 32 below the corrected average; 5 cases belonged to Chelsea, 4 to St. Pancras, 4 to Newington, and 4 to Wandsworth sanitary areas. The fatal cases of enteric fever, which had been 15, 17, and 10 in the preceding three weeks, rose again last week to 16, and were 5 above the corrected average; 3 cases belonged to Lambeth, and 2 to Greenwich sanitary areas. The deaths from diarrhaa, which had been 14, 13, and 11 in the preceding three weeks, were 10 last week, the corrected average being 14. The deaths referred to diseases of the respiratory organs, which had been 306, 365, and 363 in the preceding three weeks, further fell last week to 295, and were 412 below the corrected average. The deaths attributed directly to influenza numbered 20, having been 15, 17, and 8 in the preceding three weeks.

Different forms of violence caused 74 deaths, concerning all but 2 of which inquests were held. Of these 74 deaths, 10 were cases of suicide, while the remaining 64 were attributed to accident or negligence. Three of these were referred to vehicles in the streets, 7 to burns and scalds, 11 to drowning, and 14 (including 12 of infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS\*.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2749 cases of scarlet fever, 1304 of diphtheria, and 243 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 249 cases, against 225, 291, and 220; of diphtheria, 178 cases, against 166, 156, and 149; and of enteric fever, 35 cases, against 30, 36, and 35.

#### GREATER LONDON.

In Greater London 3889 births and 1977 deaths were registered, corresponding to annual rates of 31·1 and 15·8 per 1000 of the estimated population. In the Outer Ring 7 deaths from measles, 5 from scarlet fever, 22 from diphtheria, 10 from whooping-cough, and 5 from "fever" were registered. Six deaths from measles, 6 from diphtheria, and 2 from "fever" occurred in West Ham district.

# METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.515 inches, and that of the Thermometer  $47.4^{\circ}$ ; the latter being  $9.0^{\circ}$  above the week's average in the 50 years 1841-90. The direction of the wind was south-westerly, the horizontal movement of the air being 78 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 3.3 hours; the measured rainfall amounted to 1.00 inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever. Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

																							_	_	_			_	=	_						
	CITIES	AND BOROUGHS,		Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON,	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTHINGHAM.	DEKEY.	BIRKENHEAD.	DOLLON.	MANCHESTER.	SALFORD.	OLDHAM.	BURNLEY.	PRESTON.	Turnanananan	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL,	CATESHEAD.	NEWCASTLE.		
LIT.		Centi- netres.	пπ	24.	3.99	2:54	1	2.67	07.0	,	5.48	1	1	3.26	ı	1.65	1 000	2.39	1	1 4.0.7	4.91	1 1	1	1	1	1 1	10.01	TO TT	5.84	ı	ı	1.93	1	1		
RAINFALL		терев.	ıı uı	133.	1.21	1.00	1	1.05 20.1	1.30	1	2.16	1	1	1.40	1	0.65	1 0	0.94	ı	1 1	1.7	1 1	1	1	ı	1 1	00.0	2.92	2.30	1	1	92.0	1	\$		ı
AIB.		grade.	Centi	22.	7.33	8.56	1	7.61	90.8	1 1	7.89	1	1	6.44		2.00	1 1	96 9	1	1 0	8.09	1 1	1	ı	I	1 1	1 000	6.33	6.78	1	1	19.9	1	1 1		
TEMPERATURE OF THE AIR	Mean.	enheit.	Fahr	21.	15.2	47.4	1	12.2	47.4	1 1	46.5	. 1	1	43.6	1	44.7	1 9	43.8	\$	1 6	46.5	1 1	1	1	1	1	1 2	43.4	44.2	1	1	44.0	1	L		
ATURE		Lowest.	neit.	30.	27.8	34.5	1	31.7	34.0	1	31.0	ı	1	8.12	1	32.8	1 3	30.1	1	1 9	34.3	1 1	1	1	ı	1 1	0.00	2.16	32.0	1	1	30.0	1	1 1		I
EMPER		JesdgiH	Fahrenheit	19.	26.0	55.3	1	22.0	53.4	1 1	0.29	,	ı	53.5	ı	0.99	1	55.1	1	1 .	27.8	1 1	1	1	1	1 1	l d	49.7	53.8	1	1	26.0	1	1 1		
	eaths.	nom sees in .61-8.	Disess Cols	18.	2.1	1.5	3.0	6.4	1.7	9.6	9.1	1.4	3.0	9.0	1.1	5.3	1:5	0.9	0.T	6.3	1.7	91 e	0.1	0.3	100 c	7.7	7.0	3.0	130	2.0	9.1	9.1	1.4	1.6		- Control of the last of the l
Annual Bate per 1000,	to the Week's Deaths.	ILA m	180	17.	2.8	17.2	8.91	1.01	8.7.	18:1	18:2	15.7	9.97	20.0	18.1	9.17	14.4	19.8	13.7	16.8	21.5	212	9.91	6.91	13.8	5.0.5	220	17.1	19.4	16.6	18.9	20.1	21.5	19.8		-
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The DEATHS registered in the Week include		hæa.	Traid	12.	32	10		1	03 0	7 "	-	1	1	-	1	1	1	c)	Н	1	ı	۱ ،	۹ ,	ı	7	्य व	27	1	, _	1	,1	1		1 [		See note * on first page of this return
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egiste	Deaths from	heria.	Dlpht	9.	68	30	4	1	1	40	N -	- 1	ı <sub>11</sub>	1	en	۰	4	1	1		2	٠,	- 1	ı	ı	1	1	ı	1	1 0	, 4	0.01	1	1 1		5.
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		.xoq-	Ilams	.9	1	1	ı	ı	1	1	ı	1 1	1	1	1	1	1	1	ı	ı	1	1	1	1 1	1	1	1	1	1	1		1	-	1 1		SCHOOL SECTION
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during	ending ry 1899.		EATHS.	ar.j	3979	1503	91	37	42	63	155	217	233	P 6	170	77	59	16	28	37	262	99	222	46	30	53	19	54	42	2000	131	93	09	47	ō	-
egistered	the Week ending 21st January 1899.		BIRTUS, DEATHS,	วรั	100	2811	163	73	58	96	68	601	00 44	OX.	076	5 1C	110	138	20	29	462	109	334	67	65	7.6	69	35	43	600	253	148	118	77	100	
pt.	POPULATION 2		_	1.	408	_	300.241	127,759	1:3,226	190,741	100,637	520,911	103 729	160 82	514 056	112 968	213.851	239,384	106,401	115,162	634,212	162,221	543,562	150,779	113,081		117,622	103,464	97,721		961 160			106,552	720,020	一日 日本
	d.	ź		Cois.		1	MARCH LAW	CROYDON	BRIGHTON	PORTSMOUTH -	THI -	1	CARDIFF	OW ALCOHOL	WOLVERHAMPTON	AM	LEIGHSTER -	M.		BIRKENHEAD -		BOLTON	MANCHESTER -		BURNIEN	BLACKBURN	PRESTON	HUDDERSFIELD -	HALIEAX	- 0	ı	HILL	BLAND		NEW CASTLE	The state of the s

TABLE 2. LONDON .- Births and Deaths Registered in the THIRD Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.**	1899
TOTAL Births  Males Females -	2837 1430 1407	2714 1409 1305	2789 1381 1408	2623 1357 1266	2645 1330 1315	2729 1342 1387	2818 1388 1430	2491 1310 1181	2484 1284 1200	2631 1322 1309	2815°6 1426°0 1389°6	2811 1485 1326
TOTAL <b>Deaths</b> -  Males  Females	1769 899 870	2720 1420 1300	2212 1061 1151	3761 1723 2038	2101 1037 1064	997 978	1689 879 810	1624 820 804	1547 800 747	2021 1043 978	2253·6 1123·6 1130·0	1503 779 724

<sup>\*</sup>The numbers in this column are the average weekly numbers in the third week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

		-						LELK				_	
	Oct. 29.	Nov. 5.	Nov. 12.	Nov. 19.	Nov. 26.	Dec.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.	Jan. 14.	Jan. 21.
TOTAL Births	2652	2530	2696	2585	2155	2575	2577	2519	2422	2215	2893	2435	2811
TOTAL Deaths	1411	1394	1405	1436	1439	1569	1447	1423	1470	1593	1666	1568	1503
$ \begin{array}{c} \text{Ages at} \\ \text{Ages at} \\ \text{Death} \\ \begin{array}{c} \text{Under 1 year} \\ 5-20 \\ 20-40 \\ 0.000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.0000 \\ 0.00000 \\ 0.00000 \\ 0.00000 \\ 0.00000 \\ 0.00000 \\ 0.00000 \\ 0.00000 \\ 0.00000 \\ 0.000000 \\ 0.000000 \\ 0.000000 \\ 0.000000 \\ 0.0000000 \\ 0.0000000 \\ 0.00000000$	349 169 82 178 282 287 64	357 155 73 198 276 258 77	328 158 76 191 293 299 60	310 171 98 197 305 286 69	320 157 95 198 287 302 80	362 203 78 190 297 349 90	289 166 77 196 320 331 68	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 78 220 327 341 79
Deaths from—  Small pox  Measles  Scarlet Fever  Diphtheria  Whooping-cough  Typhus  Enteric Fever -  Simple Continued Fever -  Diarrhea and Dysentery .  Cholera	- 19 10 46 13 - 20 2 33 1	23 13 28 10 1 29 - 34	19 17 31 13 - 27 - 17	19 12 44 14 - 28 - 16	24 77 38 16 - 33 - 6	25 9 43 28 21 17	22 11 43 22 1 26 - 19	31 6 40 26 19	24 14 46 21 21 21 19	31 12 47 32 47 32 15 14	27 11 30 41 - 17 13	27 8 34 37 - 10 - 11	30 8 30 40 - 16 - 10
All the above Diseases -	144	138	124	133	125	143	144	135	145	152	139	127	134
Dis. of Respiratory System—Phthisis—————————————————————————————————	262 140 125 63 135 459	237 135 130 50 114 433	248 155 133 71 143 451	285 183 125 67 137 468	280 148 145 66 139 473	340 161 145 76 179 446	295 156 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474
TEMPERATURE OF THE AIR.  Mean	55.5 61.0 50.6	49.8 56.5 43.0	49.6 56.0 44.0	48.0 52.5 43.1	41.7 45.2 37.3	44.1 47.6 39.5	49·4 52·7 45·1	48·0 51·9 43·0	40·1 45·3 34·6	43·3 48·1 36·8	42.0 46.9 36.2	45.0 50.7 39.8	47.4 51.9 .41.9
Humidity of the Air	82	79	93	89	90	85	83	- 83	80	84	87	83	84
Rain-fall (in inches)	1.03	0.52	0.02	0.02	1.88	0.26	1.34	0.00	0.03	0.81	0.24	1.03	1.00
Registered Sunshine (in hours)	22.2	28.7	27.2	10-7	7.0	5.6	67	0.8	12.9	14.0	5.6	20.3	<b>3</b> ·3
CASES OF INFECT	rious	SICKN	ESS IN	Hos	PITALS	* AT :	CHE E	ND OF	EACH	WEE	K.		
Snall-pox	3031 1187 223	3092 1241 239	3188 1251 242	3259 1251 252	3162 1250 266	3142 1274 286	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	2777 1257 250	1 2749 1304 243

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meto-rological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Proston, Esq., F.R. Met. Soc., Norwich: John Morrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton: Arthur Brown. Esq., M.Inst. C.E., and F.B. pobbyer Esq., M.B., Nottingham: E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington. Esq., M.R.C.S., Pesston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Pevk, Hull.

TABLE 4. LONDON .- DEATHS Registered at several groups of Ages from different Causes in the

					TE	IIR.	D V	Vec	ek o	of	the Year 1899.									
	r the years		Satur	a the	We 21st	ek er Jan	ndin uary	g 189	99.	-		the		Sat	In t	the W	Veek st Ja	endir nuary	ıg y 189	99.
	ges for the 10		Do	eath	s of 1	Perso Ages	onso	f			:	es for he 10			Deat		f Per	sons	of	
CAUSES OF DEATH	Averages k of the 1889-98*,		1	Unde		er 40°	ar 60.	er 80.	and	The Person Name of Street, or other Persons	CAUSES OF DEATH	Averages of the 1889-98*,		I		der	r 40.	r 60.	r 80.	
	Corrected 3rd Week	ALL AGES	0-1	1-5,	5-20.	20 and under 40.	40 and under 60,	60 and under 80,	80 years a	L. P. W. O. Leis,		Corrected 3rd Week	ATT. AGES	-	0-I.	5-20.	20 and under 40.	40 and under	and und	years
CAUSES	2253.6	1503	3 289	169	78	220	327	341	1 79	STOPPHENN VANISHMEN	Diseases of Circulatory System }		153	1	1 3	-	1	44	60	11
all- {Vaccinated† - Unvaccinated   No Statement   Sles   Hus   -   Hus   Hus   -   Hus   H	0°1 0°1 0°1 65°7 19°3	30 8	- - 6 1	23 3	1 3 3 -	1	-	-	-	CONTRACTOR OF STREET,	Cronp	7.8 455.0 184.5 5.8 54.3	1 163 98 4 29	1 -	1 31 15 9 23 4 1	5	- 8 10 1 1	28 26 1 10	13 2	7 12 2 2 - 1
ienza - oping-cough - theria - ple Continued and } -defined Fever - era and Chol. Diarr. rhœa, Dysentery - tittent Fever	86.8 72.1 39.0 0.7 10.6 0.2 13.7	20 40 30 - 16 - 10	17 3 - - 8 -	21 19 - 1 -	2	8 -		2 1	1	AND THE PARTY OF THE PROPERTY OF THE PARTY O	Dentition	10.2 2.5 11.4 6.7 25.9 33.2	5 2 14 7 33 26		1 4 2 8 - 2 1 4 1	1 -	3553	- - 1 16 8	- 1 - 8 8	-
rophobia	0·1 0·2 10·5	11.15	6			F 1 1 1	- 2	-	1 1 1 1 1	WANTED STREET, SECTION AND ADDRESS OF	Diseases of Lymphatic System & of Ductless Glands	1.7	_			-	-	-	-	-
ipelas mia and Septicæmia peral Fever r Zymotic Diseases	6.2 1.8 6.1 1.9	8 2 2 2 1	1 - -	- - 1		- 2 -	1 -	1111	1	AND DESCRIPTION OF PERSONS ASSESSMENT	Diseases of Urinary System }	50.4	40	-	-	2	4	17	13	4
ish	1.1	1	1	-			-	-		A Contract of the last of the	Diseases of Generative System Accidents of Childbirth-	5°2 5°3	7 4	-	-	-	4 2	3 2	-	-
cal Diseases  - }	-				_	-	-		-	-	Diseases of Locomotive }	8.6	8	1	1	1	2	1	2	-
vation, Want of beast-milk	1.6 10.9	11	-	-		3	7	1	-	N ACTION OF PERSONS ASSESSED.	Diseases of Integumen- tary System-	6.9	4	1	1	-	1	1	-	
matic Fever, eumatism of Heart } matism	$\begin{array}{c c} 19.6 \\ 23.5 \\ 191.4 \\ 19.1 \end{array}$	3 1 2 4 92 14 22 154 19 10	1 9 5 1 3	13 5 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 - 9 3 - 72 5	1 33 4 - 53 1	1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	3 1	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I	VIOLENT DEATHS ;  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, exclusive of Drown-ing)	63.5 {	1 3 1 -1 7	1	1	2	1 1 - 1 1 1	1 - 1	1 -	1 1 1 1 1.
ature Birth ctasis	98	5	41 4 4	1	-		- 2	-	- - 34	]	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes	J	11 14 1 25	12 - . 4	2 1	-	5 1 - 7	3 - 1 - 3	7 1	
lexy	8.5 48.7	42 4 36 90	34	2	5		1 -	-	3	IS	VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Execution	- 1.6 8.7 -	10	111	-		5	4 -	1 -	- 03
ses of Organs of }	2.6	1	-	-	-	1 -	-   -	~		~	OTHER CAUSES -	56.6	48	46	-	-	-		1 -	CONTRACTOR
ne numbers in this col- pulation.	umn are	thea	vers	ige	wee	ekly	de	ath	as fo	r	the ten years 1889-98, raise	ed by 5.21	l3 pe	r ce	ent.	for	inc	reas	90	-

oulation.

lly those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered as men. When the medical attendant does not certify that the decased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." see evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of out, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 21st January, 1899.

í	SUB-DISTRICT during the We	ek endin	z Sati	irday,	218	G Ja1	aua	гу, 1	.899.			-					-Periodical		
١							1	The l	DEAT	HS re	gister	ed du	iring t	the W	eek i	nclud	e	1 2	1
		Enume-				thsof				,	Death	as fro	m		,			tution	of
THE RESERVE AND ASSESSMENT AND ASSESSMENT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED	REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	·Violence.	Inquest Cases.	Deathsin PublicInstitutions	Uncertified Causes
ı	LONDON	4,411,710	2811	1503	289 ——	420	·	30	. 8	30	40	_	16		10	74	142	474	10
Microsophic and Company of the Compa	WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	419 615 156 551 1070	286 309 83 274 531 20	58 57 14 54 106	97 80 18 71 146 8	1 11111	7 1 14 8	1 - 6 -	5 9 3 2 11	9 7 3 21 -	1 1 1 1	34 - 9 -	11111	- 3 - 7	15 8 1 18 32	22 26 8 35 51	96 72 34 102 150 20	1 8 -
	WEST DISTRICTS.  St. Mary Paddington G. & W. WHH St. John Paddington G. & W.	90,996 33,510	44 2	29	6	11 4	-	-	-		2	-	-	-	-	- 1	1	8 5	-
	Kensington Town $Ww - W$ . Brompton $HH - WW - WW$ .	122,164 48,301	72 15	59 10	11	27	-	-	-	1 -	1	-	-	-	-	2 -	3	23 5	-
CATALOGUE PROPERTY.	St. Peter Hammersmith W. St. Paul Hammersmith $HH$ W. & G. Fulham $Ww$ W. & C.	9,097 25,102 113,781	5 64 98	3 35 37	1 9 13	1 10 7	-	1 1	- 1	1 2	1		- 2	-	- - -	2 5	1 3 7	3 10	
CONTRACTOR CONTRACTOR	Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	24 12 16	3 23 12	3 4 4	85	-		-	ī	- 222	· -			- - -	- 1	- - 2	12	-
AND REPORT OF THE PROPERTY OF THE PARTY OF T	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	12 19 13 7	11 23 9 5	31	6 4 -		-	-		1 -	1111	-	1 1 1:1		4 -	- 4 -	8 11 1 3	1 -
TOTO DE LA COMPANSION D	$ \begin{array}{ll} \text{St. James Westminster} \\ WHH \\ \text{St. Anne Soho} & HHHHHHH - N. \end{array} $	23,050 12,048	8	. 9	1 1	5	-	-	-	_		- 1	-	-	_	-	-	4 3	-
	NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611 75,449	8 11 26 17 17	17 3 5 6 9	4 - 2 2 3 3	3 2 - 2 - 1	1 1 1 1 1	1 1 1 1 1	1	1 2	1 - 1		1 2	-	- 1		- 1 - 1	9	
	Regent's Park Pancras HH - W. Tottenham-court	37,341 26,757 29,426 32,161 16,669 98,410	25 9	10 13 11 15 7 33	- - 1 1 1 6	2 3 1 4 5 8		2 2	-		1 1 1 1	1 1 1 1 1			1		1 1 1 1 4	10 1 8 24 4 5	1 1 1 1 1
	$ \begin{array}{c} \text{Upper Holloway} \\ \text{$WWWwHH} \\ \text{Islington South-west} & \text{H} & -\text{N.} \\ \text{Islington South-east} & -\text{N.} \\ \text{Highbury $HH$} & -\text{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	56 66 48 37	43 20 15 16	6 4 3 3	16 5 2 6	1 1 1	2 -	1 1 1		1 1 -	1 1 1	1 -	1 1, 1	1 1 1 1	1 - 1 1	5 - 1 2	16	1 1 1 1
	Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$   \left\{     \begin{array}{c}       16 \\       29 \\       40 \\       39 \\       38     \end{array}   \right. $	6 5 16 22 21	- 1 5 6 6	4 1 4 5 6		1	1 1 1 1 1	- - 5 1			11111	1 1 1 1		22 -	- 242	C1 10 20 10	1 1 1 1

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The t man capitals signify the Water Companies which supply the different Sub-districts; -G, signifies Grand Junction Company; w. West Middlesex; v. Chelsea; v. Southwark and Vauxhall; v. Lambeth v. New River; v. East Lendon; and v. The Kent Company. See note v on first page of this Return

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday, 21st January, 1899—continued.

SUB-DISTRICT during the We	ek ending	g Satu	rday,	21st	i Jar	ıuar	y, 1	899-	-co	itin	ued.							
					The DEATHS registered during the Week include											L		
	Enume-		Total DEATHS	Deaths of			Deaths from									tutions	g of	
REGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.		Infants under 1 Year of Age,	Persons aged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoes,	Violence	Inquest Cases,	Deaths in Public Institutions	Uncertified Causes
														,				
CENTRAL DISTRICTS.  George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	4 14 9	2 2 7	-	- 1 1		-					-				- - 1	1 3	
Martin-in-the-Fields HHN. & C. and WHH N. and Union Workhouse, Edmonton	13,077 11,839 +1,037	5 5	2 8 1	3 -	- 1 1					1 1 1	1 1 1	111		1 -	1 1 1	1 - 1	1 4 1	
born wHHHHHHH - N. lames Clerkenwell - N. well Clerkenwell - N. well-street - N. r-road HHHL - N. itecross-street - N. born Union Workhouse, itcham - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	17 17 22 12 38 6 1	17 1 6 6 11 1 -	4 - 2 2 3 	2 1 2 1 3 -	1111111	1		3	1111111		1	111111		1	3 - 3	8 - 2 - 1	
Botolph $H$ N. & E. oplogate N. & E. Sepulchre $WH$ N. allows Barking N. ad Street $H$ N. of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	5 - 1 - -	16 1		3 - 1	11111	11111		11111	11111		11111	11111	11111		- 1 -	- 12 - 1	1
EAST DISTRICTS.  reditch South $Hl$ - E. & N.  tton New Town $w$ - N.  tton Old Town N.  regerston $WH$ N. & E.	17,975 29,575 27,645 47,163	8 23 14 32	4 14 5 17	- 1 1 2	- 7 2 5	1 1 1 1	1 2 - 2	-	1 1 1 1		1111	1111		1111	ī ī	2 2 1	2 5 10	
hnal Green North $H$ - E. hnal Green South - E. hnal Green East $WHl$ - E.	49,301 34,194 45,667	50 29 33	16 4 34	7 1 7	- 16	- - -	1 2 1			1 -	1 1 1	1 1 1		1 1 1	1	3 -	1 21	
calfields E. & N. e End New Town* $WH$ - E. dman's Fields* E.	26,681 } 51,995 {	24 22 16	5 28 6	- 4 1	18 -		- 2	-	1			111	-	111	4	1 7 -	23 -	1 1 1
George's North E. John, St. George East W E.	39,576 7,930	38 3	7 3	4 -	ī	-	1 1	-	-	-	-	-	-	-		-	- 1	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	5 9 27	6 1 7	1 - 1	2		1 1 1	-	-		1 1 1	-	-		1	1	4 -	
e End Old Town West $H$ E. e End Old Town East $H$ E. $H$	} 111,060	{ 48 33	12 29	5 6	1 7	_	ī		-		1 1	-	-	7	2	2	9	-
v $l$ $  E$ . mley $wwWH$ $  E$ .	41,687 69,821 57,759	36 60 41	14 46 16	3 6 4	.5 14 2		- 2	1 1 1	ĩ 1	1 1 -	1 1 1	1 1 1		1 1 8	- 4 3	- 8 5	25 -	

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox Measi Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in e Sub-District during the Week ending Saturday, 21st January, 1899—continued.

I and the state of			,	The DEATHS registered during the Week include													
REGISTRATION SUB-DISTRICTS	Enumerated Population, 1896.	Total BIRTHS.	Total DEATHS.	Year	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence.	Inquest Cases.	Deaths in Public Institutions
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road - S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	12 8 14 13 17 15 51 30	136855 5438	1143-162	1111112		- - - 3 1			2 - 4 -				1	- - 1 1	- 1 1 - 1 - 1	1 - 4 - 2 -
St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	6 71 26	12 20 18	3 10 1	- 4 6		1 -	-		_ _ _	-		1 - 1	1	3 2 4	4 3 4	8 1 7
	28,396 18,770 40,994 52,486 43,244 81,825 29,318	31 16 24 32 29 37 15	7 12 31 18 6 23 8	3126331	14 3 2 7 3	111111			1	1		1 1 - 1 - 1	111111		1 2 1 2 - 1	1 2 3 3 1 2	3 11 17 - 2 -
	71,730 93,385 46,953 58,101 20,566 61,644	45 57 31 35 15 25	19 32 11 10 3 18	661323	5 9 6 2 - 4	11111	1 - 1	1	1 2	2 - 2	111111	-	11311	1 1	1	1 - 1	14 1 - - 5
Dulwich L. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 48 61 39	1 51 28 17	273	1 20 12 5		-		-	1 1 1		1111	1 1 1 1	1	1 2 2	4 3 3	32
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	33 34 16 11 29	7 18 9 2 19	1 5 1 - 3	1 2 2 2 5		- - - 1	- - -	î - 1	2	11111	- 4 - . 1	1111	1 1 1 1	1 4	1 1 1 - 4	7 - 16
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 3 29 18	2 17 10	- 5 3	1 5 4				- 2	1 1 1 1	1111	- 1		- 1 -	1111		1 6 -
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	11 11 21 12 36	10 6 5 3 18	1 3 -	1 1 1 8	11111		2	21   1   1	- 1 1		11111		1 1 1 1	1 1	2 2 1 -	5 8
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum - London County Asylum, Dartford Heath		-	4 1 2 1 4 5		2 - 1 1 3 - 1	1111111111					11111111111					111111111111	4 1 2 1 4 5 - 2 1

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES IOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week nding Saturday, 21st January, 1899.

							the -	2	e DE	ATHS				Wee	k incl	lude		_
	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS,	DEATHS.	Infants under 1 C	Persons aged 60 Fragram Tears & upwds, 9	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhœa.	Violence.	Laquest Cases.	Deaths in Public Institutions.	Uncertified Causes
ND	ON-OUTER RING -	368,749	1,422,063	1078	474	106	136	-	7	5	22	10	5	1	18	34	61	1 6
CE	arshalton $wHH$ psom, $part of^* WwHH$ -	12,228 10,423	26,108 12,508	19	12 8	3 2	5 4		-	-	-	-	-		-	-	1 5	1
G	odstone, part of * W -	2,754	1,598		.1	1		-	_	_	_	_				_	9	-
C	roydon WwHHH	20,851 11,697	128,699 23,072	88 21	44 10	10	12 2		-	1	1	-	-		2	7	8	-
SE	imbledon HHH ingston W irbiton H sher, part of HH ampton HL	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	20 28 3 3 8	11 14 - 2 2	2 2 - 1	2 4 - 1	1 1 1 1 1	11111	1111	1	1111	1111	1111	- 2	3 1	1	1 1111
R	ichmond WH ortlake H	2,160 2,823	25,389 16,159	16 7	8 4	-	1	-	-	-	-	-	1	-	-	ī	1	-
B	HHH	9,127 6,542 14,307	23,815 21,969 20,372	14 10 22	6 5 6	1 1 1	- 1 1	-	-	-	2	-	1 -	-	2	2	4	ī
Be	exley HHH	12,540	30,590	26	8	2	2	-	-	-	2	-	-	-	1	1	-	
St	nbury w	11,054 13,277	13,671 13,221	7	2 6	- 1	1	-	-	-	ī	-	-	-	- 1	- 1	1	-
U	llingdon WHH cbridge cyes wH	6,035 12,757 7,952	12,237 7,253 11,051	8 2 10	1 1 3	111	1 1 -			-		-	-	-	- 1	- 1	1	
Tv Br Ch	eworth $WHH$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	22 13 25 12 33	14 4 12 7 17	1 2 3	8 2 6 1 4	1111			1 2 -	1	1		1	1	4 2 1	1
Wi He	rrow HHH gware HH llesden HHH ndon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	12 75 12	3 - 13 3	2 5 -	1 3 2			- 1	- 2 -		-	-			1 - 1 2	1
Ba	oth Mimms $HH$ rnet $WHH$ chley $HHH$	3 21,077 4,688	6,367 14,152 25,820	6 2 18	1 3 4	- 2	1 1 2	-	-	-	-	-	-	-	-	-	-	
Tot Ed En Wa	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	36 58 33 20 3 7	15 32 23 9 1	1 6	7 6 11 5	1 1 1 1	- 1	- - -	3 -	1 2 - 1	11111		2 2	34-	1 6 2 -	11111
Ha	tfield, part of* W	3,306	582	1.	~	_	_	_				_			-	-	-	1
Bus Wa	they H tford WH, part of* -	9,331	7,737	5	2 -	-	2	-	-		-	-	-	-	-	-	-	-
Pla Car For Eas Ley Wa Chi	atford H	3,266 4,334 6,501 11,779	38,612 55,030 54,750 53,511 32,713 70,188 57,330 12,941	28 50 56 29 44 68 51 7	16 20 32 19 12 25 13	3 7 13 4 5 6 4	3 2 1 4 9 3 1	-	2 4	111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 - 1 - 1	1	1	1 1 1 1 - 1	2	3 2 2 - 10	1
THO	aford, part of * WH - king Town, H -	6,556 8,493 3,814	4,324 10,913 14,301	4 10 10	2 5 2	2	211	-	-	-	-	1	-	-	1 1 1	- 17	2	111

parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring ollows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham trict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in 079): 189: 1, the parish of Dagenham in Romford sub-district; except the parish of Bois and part of the parish of Epping 1080 Diseases belonging to the Outer Ring in 42, 30 Sub-district; also deaths in Workhouses and Hagnital Fernical Control of the Parish of Epping 1080 Diseases belonging to the Outer Ring in 42, 30 Sub-district; also deaths in Workhouses and Hagnital Control of the Parish of Epping 1080 Diseases belonging to the Outer Ring in 42, 30 Sub-district; also deaths in Workhouses and Hagnital Control of the Parish of Epping 1080 Diseases belonging to the Outer Ring in 42, 30 Sub-district; also deaths in Workhouses and Hagnital Control of the Parish of Expenses the Outer Ring in 42, 30 Sub-district; also deaths in Workhouses and Hagnital Control of the Parish of Expenses the Outer Ring in 42, 30 Sub-district; also deaths in Workhouses and Hagnital Control of the Parish of Expenses the Outer Ring in 42, 30 Sub-district; also deaths in Workhouses and Hagnital Control of the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district) and the Parish of Expenses the Outer Ring in 42, 30 Sub-district (Sub-district

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).- DEATHS and Rate of MORTALITY during the week ending Saturday, 21st January, 1899.

1			4	r Dame			The DE	ATE	s regi	stered	linth	e We	k inc	lude	
	Area	Population estimated	of MOR	L RATE TALITY D living.	DEATHS	Dear	ths of				Death	s from	n		
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhes.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	15.8	1.5	1977	395	556	-	37	13	52	50	21	11	92
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	17·2 12·5	1.3	1503 474	289 106	420 136	-	30 7	8 5	30 22	40 10	16 5	10 1	74 18

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 602'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

		an	.d 1	n certain	FOREIGN	CITIES.						
						42227747	DEA	THS	FROM	PRIN DISEAS	SES.	ZYMO
CITIES	POPULATION (enumerated or estimated).	DATE OF RETURE Week endin	- 11	BIRTHS. Exclusive o	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.
EDINBURGH - GLASGOW - DUBLIN - CALCUTTA - BOMBAY - MADRAS - PARIS BRUSSELS - AMSTERDAM - ROTTERDAM - THE HAGUE -	298,927 733,903 349,594 466,460 821,764 452,518 2,511,629 551,011 512,758 303,878 196,325	December January December January	21 21 221 3 3 16 14 14 7 7	170 436 197 - 236 - 1201 266 292 201	120 316 192 266 859 - 948 192 183 103 68	20°9 22°4 28°6 29°7 54°4 - 19°8 18°1 18°6 17°4		6 2 - 5 - 8 16 1 2 4	1 4 1 - ? - 6	1 2 1 4 ? - 8* 3*	12 15 4 1 ? - 10 3 7 6	1 4 3 86 241‡ - 7 3 - 1
COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW -	345,000 283,550 203,337 1,132,677 988,610	99	14 7 14 7	194 107 112 486	130 109 71 656 537	19·7 20·0 18·1 30·2 28·3	- - 1 4	10 3 - 6 11	2 - - 13 5	4 4* - 15 10	2 2 - 3 6	1 1 1 7 5
BERLIN HAMBURG DRESDEN BRESLAU MUNICH VIENNA PRAGUE BUDA-PESTH -	388,300 392,795 430,000 1,606,629 380,497 650,502	December January December January "" "" "" ""	14 10 14 7 14 7	942 	568 233 146 184  666 211 315	16·4 17·9 19·6 24·4 - 21·5 28·8 24·6	-	9 - - 1 - 10 11 7	6 - 1 - 6 2 1	21 2* 3* 2 - 16* 5	8 6 4 4 - 5 -	1 1 2 - 8
TRIESTE ROME TURIN (10 days) VENICE CAIRO ALEXANDRIA - NEW YORK (including BROOKLYN)	165,177 499,540 344,203 169,001 570,062 319,766 3,438,899	December January August December	20 7 19 19	126 216 - - - - 1437	108 217 - - - - 1560	33·8 22·6 - - - - - 23·7	-	1 9	4	- - - - 25	3 5	1 13\$
PHILADEI PHIA	1,240,266	22	24		650	27.3	-	1	2	26	3	24

Including deaths from croup.
 Including 3 deaths from cholera.
 Including 164 deaths from plague.
 Including 6 deaths from malarial fever.

		Ozone.		1.5	4.5	0.0	0.0	0.0	C.I.	6.9	2.0	26	sea ;	palp	years r the er is mum	ables. tions	5.	teter,	rate; nent,	week	the the	
Rain	in a Gauge	whose	surraceis.	in. 0.26	0.58	60.0	0.04	20.0	60.0	0.17	Sum 1.00	35	el of the	The mea	wenty 1868 for rmomet momet minit	observal	ling 1872, higher,	hermom	m. moderate ne Instrument	of the	A.M. OI	
,		)u 8,	Departure from Average of 16 Years.	Miles. +134	+372	+ 7	+196	+242	+224	+618	Sum +1793	24	ean leve	.P.M. 7	ation o ng the tending all their	uced frome post the contact th	ears enclicates"	ofthet	tering E sak; m unshine	ginning	by 10h	
rB,	1	Kobinson s	Horizontal Movement to of the Air on each Day.	Miles. 458	869	335	526	573	929	950	Sum 4096	23	midnight	M., and 9k	y the application of corrections a made during the twenty years ending 1863 for the the dry bulb thermometer is the maximum and minimum energials and minimum energials of the maximum and minimum energials.	y are ded aisher's H discussion	r the 16 y	ndexerror	mson's self-registering negative; w. weak; ampbell-Stokes Sunshi	day. at the be	o 29'60 in.	
monnete	T	110	Mean of 24 hourly obs.	1bs. 0.8	1.9	0.4	1.1	1.4	1.5	3.6	:	22	ght to	3h. P. b then	ords r twent y of the	umidi by Gl from S	ords fo	r their	son's egativ 1pbell	90 in.	ased t	
om Ang		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	midni s 159 f	noon y bul	r value ic rec the eading	neters prived	ic reco	ted for	Thom N. n	om 29	incre the w	
us pean		Press	Great-	15.0 12.0	17.0	4.8	11.5	14.2	14.5	58.0	:	20	from neter i	A.M.; he dr	daily graph during lean r	degreermore chatde	nometri	correc	from tive; rom tl	ased fr	end of	
Wind as ded	Osler's.	General Direction.	P.M.	SW.	SW. &	WSW.	WSW. &	SSW.	SSW.	SSW.	W.	19	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 139 feet above the mean level of the sea;	no correction has been appured no the retainings or returne to sea sore.  Observations are usually taken at 9h.A.M.; noon; 3h.P.M., and 9h.P.M. The means of the oye-readings of the barrometer, the dry bulb thermometer, and the wet bulb	thermometer, are converted into mean daily values by the application to corrections deduced from a discussion of the photographic records made during the twenty years ending 1863 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is confined the corrected mean of the readings of the maximum and minimum the mean deliverable of the maximum and minimum.	mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations made at Green with during the 60 years and in 81 Month of that of horizontal movement.	of the air from a discussion of the anomometric records for the 16 years ending 1875. In reading columns 9 and 24 it will be borne in mind that + indicates "higher,"	"lower," than the average. The values given in column 17 are not corrected for the index error of the thermometer hich cannot be defermined.	The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.  The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument,	show the aggregate duration of bright sunshine on each day.  The reading of the barometer decreased from 29'9 in, at the beginning of the week	or 2718 in. by 4n. F.M. on the folt; increased to 2840 in. by 4n. r.m. on one rion; decreased to 2845 in. by 1lh. F.M. on the 19th; increased to 2846 in. by 1lh. A.M. on the 20th; and decreased to 2918 in. by the end of the week.	
		General I	А.Ж.	wsw.,	SSW. & S.	WSW.	WOW.		SSW. &	ssw.	si -	18	pply to the	as veen apparents are usually are the	tre converter discussion returned baro: With the corrected corrected	w point tem the dry and emperature	a discussion	<ul> <li>"lower," than the average.</li> <li>The values given in column</li> <li>which cannot be determined.</li> </ul>	The record of Electricit The symbols employed a s. strong; and v. variable. The numbers in column;	egate duration of the bare	y 4h. P.M. o 9.45 in. by 11 reased to 29	
BE.		Of the Earth	3 feet below the Surface.	45.62	45.03	45.40	45.56	15.51	45.63	45.87	45.44	17	results a	rvations e-readir	thermometer, a deduced from a ending 1873 for thermometers. combined the	aily derally derally verage (	uir from	ver," tha ralues g cannot	record mbols g; and	he aggr reading	sed to 2 and deco	
TEMPERATURE		tion.	Lowest on the Grass.	28.2	38.9	8.87	37.1	40.0	37.7	47.7	97.0	16	The The The I	Obser the ey	thermo deduce ending thermo combin	mean duily v	of the g	The The	The sy	show t	decrea 20th;	
TEM	0	Bad	Highest in Sun's Rays.	54.1	87.8	65.0	64.3	68-7	63.8	0.29	66.1	15		early con-	Windy after In. P.M. Mild.  Overcast with frequent rain in early morning; fine whith partial solar halo in forenou; variable and showery till evening; generally cloudless afterwards. Lightning at night,	Strong gristy wind throughout the day. Mild. Variable in early morning with slight shower at Ih. 30m. A.M.; very fine generally till evening; overcast with continuous rain	Slight hoar irost in morning. generally. Continued rain till ick wind of night. Mild	Overcast with frequent slight rain till Overcast with frequent slight rain till room. I was halo in		vin. A		
	Degree	midity (Satu-	ration equals 100).	<b>₹</b> 6	75	92	833	92	84	84	84	14	.sz	with	early in fore g; ger	with with ne ger	n morn ted ra Wild	slight rain ally afterwar	11 10h after	nal re		
мееп			Least.	0.0	67 00	6.0	6.0	0.0	6.7	1.5	1.3	13	MARI	cloudy	d. rain in r halo evenin ghtnii	hout the	onting	erally	ady ti rain	ccasio		
nce bet	Temper Dew Poi	peratur	Great-	0 4	10.3	11.3	8.4	4.6	2.9	0.5 0.5 0.5	2.2	12	L RE	ally	Mill quent al sola ry till ds. Li	hrougy y mod A.M.; ast wit	noar lly. C	th frequent fill noon.	d. ly clo	overcast: occasional rain.	)	
Differe	the Air Temperature and Dew Point	Ten	Mean daily value.	0 1.5	9.2	7.1	4.8	25.53	4.6	4.8	4.7	17	GENERAL REMARKS.	parti	lh. P.M ith fred partishowe showe	windt n earl 30m. overe	Slight	vith fr	ry mil	overca d thre		
-	Of the	point.	Mean daily value.	0 45.0	40.3	30.7	44.0	47.4	44.0	47.8	42.7	101	GE	Fine and partially cloudy in emorning; overcast afterwards with	Windy after Ih. P.M. Mid. Windy after Ih. P.M. Mid. Overcast with frequent ra ing: fine with partial solar variable and showery tilles sloardess afterwards. Lig	gusty able i r at lh ning!;	afterwards. Sight hoar irost in mor Overcast generally. Continued 12	Overcast with	evening. Very mild, Fine and partially cloudy overcast with frequent ra	Generally overcast: occasional ragale of wind throughout the day.		
3E,			De- parture from Average of 50 years.	- **		6	+10.3	+1173	+10.5	+14.3	+ 9.0	5.		Fine and partially cloudy morning; overcast afterwards	Windy after In. P.M. Mid.  Overcast with frequent rain in early morning; fine with partial solar halo in forenon variable and showery tile vening; generally cloudless afterwards. Lightning at night	Strong Vari showe	afterwards. Overcast	Over Chrone	Fine Overca	Gen Gen gale	mild.	
		ır.	Mean daily value,	0 46.5	47.9	37.8	48.8	7-65	48.6	52.6	47.4	∞	n above orizon, hours.	<b>∷</b> ∞	€0	8.4	8.4	8.2	8.5	8.6	Sum 59.0	29
TEMPERATU		Of the Air	Daily Range.	0	9.01	9.1	11.7	7.5	8.00	5.3	101	7	Registered Sun above Sunshine Horizon, in hours.		<u>~</u>	en		0		П	ale Se	28
			Low- est	36.0	42.6	34.2	41.0	45.5	43.8	20.0	41.9	9	Registe Sunsh in hou	0.0	8.0	\$ P	0.0	0.0	. 0.1	0.1	Sum 3.3	64
			High-	0 0	53.1	433	52.7	53.0	52.1	55.3	51.9	10	of e,)	out -	, v. P. P.M.;	N. till gene- P.M.;	S	out -	rally;	ly till	is.	
BARO-	Mean	daily	rected and re- duced to 32° Fahren- heit).	in. 99.614		29.833	29.620	29.473	29.523	29-266	29.51.5	1	Electricity. (For explanation of symbols, see Note.)	w. P. throughout	w.P. till noon; v.P. and v.N. till 7h. P.M.; w. P. afterwards.	and v. ]	terward	w. P. throughout	w. P. generally occasional w. N.	w. P. generally till 5h P. W. P. and	fterwar	27
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_			a	Y.	16			19	20	21	-   -	- 80		15	- 16	- 17	18	- 19	- 20	- 21		1
	1899	+0.00	MONTH AND	JANUARY	MONDAY -		WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No of Column	DATE.	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY		No. of Col.
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
BY DARLING & SON, LTD., 1-3, GREAT ST. THOMAS APOSTLE. EQ

1899.

OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS l N LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 4, 1899, Vol. LX. WEEK ENDING SATURDAY, JAN. 28. [Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, January 30th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 17.0 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :-

		Weeks	endin	g	Weeks ending
Towns,	Jan. 7.	Jan. 14.	Jan. 21.	Jan. 28.	Towns. Jan. Jan. Jan. 7. 14. 21. 28.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead -	19°1 17°2 16°7 19°7 21°9 15°2 16°1 18°0 15°7	18·3 19·0 16·8 18·9 18·0 20·1 11·0	18·2 16·8 18·1 20·4 21·2 19·4 17·8 18·2 13·8 15·7 15·1	17.0 18.1 16.0 15.4 19.0 17.9 17.3 17.1 16.6 12.9 13.5 18.6	Leicester   16.8   12.9   14.4   16.6   Liverpool   23.8   22.8   21.5   23.3   London   19.1   18.0   17.2   15.8   Manchester -   22.1   22.4   21.3   18.5   Newcastle-on-Tyne   22.6   16.2   19.8   16.9   Norwich -   19.8   16.6   21.6   18.9   Nottingham -   19.6   21.1   19.8   18.1   Oldham -   19.0   23.2   15.9   18.0   Plymouth -   17.6   19.2   16.1   23.8   Portsmouth -   16.4   17.8   17.2   15.6   Preston -   23.5   18.2   22.6   22.6   Salford -   22.2   18.2   16.5   16.2   Sheffield -   17.2   17.8   18.9   18.3
Halifax - Huddersfield- Hull Leeds	18.0	12.9	22·4 17·1 20·7 16·6	14·4 17·6 16·7 16·6	Sunderland -       -       21.5   24.0   21.5   22.2         Swansea -       -       22.6   17.1   26.6   21.6         West Ham -       -       15.1   14.9   15.8   12.0         Wolverhampton -       18.2   17.0   20.0   18.2

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.1 in Nottingham, 1.2 in Manchester, and 1·3 in Bolton; from scarlet fever, 1·5 in Gateshead; from whooping-cough, 1·0 in Huddersfield, 1·1 in Bristol and in Halifax, 1·2 in Croydon, and 1·4 in Birkenhead and in Sunderland; and from "fever," 1·1 in Halifax. In none of the thirty-three towns did the death rate from diarrhæa reach 1.0 per 1000. The 71 deaths from diphtheria included 31 in London, 8 in Leeds, 6 in Sheffield, 4 in Liverpool, 4 in Hull, 3 in West Ham, 3 in Swansea, and 3 in No death from small-pox was registered in any of the thirty-Leicester. three towns.

### LONDON.

In Londont 2686 births and 1382 deaths were registered. Allowing for increase of population, the births were 93, and the deaths 630, below the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

19.1, 18.0, and 17.2 in the preceding three weeks, further fell last week to 15.8. During the four weeks ending on Saturday last the death-rate averaged 17.5 per 1000, being 7.7 per 1000 below the mean rate in the corresponding

periods of the ten years 1889-98.

The 1382 deaths included 21 from measles, 12 from scarlet fever, 31 from diphtheria, 36 from whooping-cough, 15 from enteric fever, 8 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 123 deaths were referred to these diseases, being 75 below the corrected

average weekly number.

The deaths from measles, which had been 27, 27, and 30 in the preceding three weeks, fell again last week to 21, and were 27 below the corrected average; 4 cases belonged to St. Pancras sanitary area. The deaths from scarlet fever, which had been 11, 8, and 8 in the preceding three weeks, rose again last week to 12, but were 5 below the corrected average. The deaths from diphtheria, which had been 30, 34, and 30 in the preceding three weeks, were 31 last week, the corrected average being 40; 3 cases belonged to Bermondsey, and 3 to Lambeth sanitary areas. The deaths from whoopingcough, which had been 41, 37, and 40 in the preceding three weeks, fell again last week to 36, and were 32 below the corrected average; 5 cases belonged to St. Pancras, 5 to Newington, 4 to Hackney, and 4 to Chelsea sanitary areas. The fatal cases of enteric fever, which had been 17, 10, and 16 in the preceding three weeks, were 15 last week, the corrected average being 10; 2 cases belonged to St. Luke, and 2 to Bethnal Green sanitary areas. The deaths from diarrhæa, which had been, 13, 11, and 10 in the preceding three weeks, further fell last week to 8, and were 7 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 365, 363, and 295 in the preceding three weeks, further fell last week to 266, and were 314 below the corrected average. The deaths attributed directly to influenza numbered 21, having been 17, 8, and 20 in the preceding three weeks.

Different forms of violence caused 80 deaths, concerning all but 2 of which inquests were held. Of these 80 deaths, 5 were cases of suicide, and 3 of homicide, while the remaining 72 were attributed to accident or negligence. Five of these were referred to vehicles in the streets, 11 to burns and scalds, 6 to drowning, 1 to poisoning by coal gas, and 20 (of

infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS\*.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2679 cases of scarlet fever, 1368 of diphtheria, and 249 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 220 cases, against 291, 220, and 249; of diphtheria, 189 cases, against 156, 149, and 178; and of enteric fever, 29 cases, against 36, 35, and 35.

## GREATER LONDON.

In Greater London 3784 births and 1811 deaths were registered, corresponding to annual rates of 30·2 and 14·5 per 1000 of the estimated population. In the Outer Ring 7 deaths from measles, 2 from scarlet fever, 13 from diphtheria, 15 from whooping-cough, 4 from "fever," and 5 from diarrhea were registered. Four deaths from measles, 4 from diphtheria, 5 from whooping-cough, and 3 from "fever" occurred in West Ham district; 3 deaths from diphtheria occurred in Edmonton district.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.93 inches, and that of the Thermometer 38.02; the latter being 0.60 below the week's average in the 50 years 1841-90. The direction of the wind was north-easterly, the horizontal movement of the air being 18 per cent, above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 35.8 hours; the measured rainfall amounted to 0.08 of an inch

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

| CITIES     | BOROUGHS,                              |  | 33 TOWNS.  |  |  |  
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  | BIRKENHEAD.  | LIVERPOOL.   | MANGHER.   | SALFORD.   | OLDHAM.  
   | BURNLEY.   | BLACKBURN.<br>PRESTON.   | HUDDERSFIELD   | HALIFAX.   | BRADFORD.   
  | LEEDS.   | SHEFFIELD.  | HULL.  | SUNDERLAND.  | NEWCASTLE.  
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| Me         | Fahrenheit.                            | 21.  | 37.3   | 38.5   | 1  | 37.5   
   | 40.6   | 6.88   | 1 1  | 6.02   | 1 1  | 37.7   
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| Jeaths.    | From<br>Diseases in<br>Cols, 6-12,     | 18.  | 1.2  | 1.4  | 1.0  | 1:2  
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   | 17.3   | 9.01   | 23.8   | 1.71   | 9.17   | 18-2   
   | 16.0   | 18.6   | 16.6   | 18.1   | 18.6  
  | 18.1   | 23.3   | 10.6   | 16.2   | 18.0   
   | 16.6   | 15.4   | 17.6   | 14.4   | 17.9  
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|            | Measles.                               | 7.   | 67   | 131  | 4  | ı  
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| ler        | Infants und<br>I Year of<br>Age.       | 4.   |  | 284  | 20   | 9  
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   | *43  | 6  | 20   | 18   | 10  
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| ary 1899.  | DEATHS.                                | ຄວ   |  | 1382   | 69   | 53   
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   | 363  | 54   | 132  | 116  | 22  
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  | 225  | 233   | 145  | S 1  | 144   
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| _          |  | 1.   | 11,404,408   | 4,546,752  | 300,241  | 127,759  
   | 123,226  | 190,741  | 100,637  | 185.898  | 103,722  | 88,821   
   | 514,956  | 113,266  | 213,851  | 239,384  | 106,401   
  | 115,162  | 634,212  | 102,231  | 218,244  | 150,772  
   | 113,081  | 135,154  | 103,464  | 97,721   | 236,241   
  | 423,889  | 361,169   | 234,270  | 145,613  | 228,625   
  |  |
| so.        | BOROTGHS.                              | Cols.  | 33 TOWNS -   | LONDON   | WEST HAM   | CROYDON  
   |  | H  | - HI   | 1 1  | 1 1  | WOLVERHAMPTON  
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   | BURNLEY  | BLACKBURN  | HUDDERSFIELD -   | HALIFAX  | BRADFORD  
  | LEEDS  | SHEFFIELD   | HULL -   | GATTERTAND -   | NEWCASTLE   
  |  |
|            | to the                                 | English of the control of the contro | 1. Servine segment of the control of | The country of the co | Cols.   11,404,408   6762   3778   192   197   17.   18.   19. | Cols.   187   18 | COAS   Highest Coases   Coas | COMB   Compared   Co | COMB.   Lispanse   L | Cols.   1, 404,408   G762   S716   S32   972   - | Cols.   Library   Cols.   Li | Cols.   Highest Force   Cols.   Cols | Cols.   Cols | Cols.   Listude of Fig.   Cols.   Cols | This continuated   Colores   Color | Participated   Part | The first continuity   Columbia   Columbia | CORS.   Collision   Collisio | The continued   Colore   Col | The continue of the continue | This continuity   Cols.   This continuity   This con | Particular   Par | Cols.   Light   Cols.   Light   Cols.   Light   Cols.   Cols.   Light   Cols.   Cols | Column   C | COM-8.   Comparison   Compari | Color   Colo | Column   C | Cols.   Line   Park   Park | Part   Part | Column   C | The column   Column | Column   C | Column   C |

TABLE 2. LONDON.—Births and Deaths Registered in the FOURTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2599	2510	2794	2643	2758	2689	2612	2452	2715	2639	2778.8	2686
Males Females -	1285 1314	1313 1197	1441 1353	1313 1330	1444 1314	1377 1312	1294 1318	1228 1224	1419 1296	1322 1317	1413 <sup>.</sup> 7 1365 <sup>.</sup> 1	1360 1326
TOTAL Deaths -	1620	2227	1903	3355	1831	1655	1481	1582	1702	1764	2011:7	1382
Males Females	848 772	1192 1035	993	1587 1768	939 892	855 800	728 753	808 774	<b>843</b> 859	876 888	1017·3 994·4	698 684

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fourth week of the ten years 1889-98, raised by 5 213 per cent, for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

							-						
	Nov.	Nov. 12.	Nov. 19.	Nov. 26.	Dec.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.	Jan. 14.	Jan. 21.	Jan. 28.
TOTAL Births	2530	2696	2585	2155	2575	2577	2519	2422	2215	2893	<b>24</b> 35	2811	2686
TOTAL Deaths	1394	1405	1436	1439	1569	1447	1423	1470	1593	1666	1568	1503	1382
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	357 155 73 198 276 258 77	328 158 76 191 293 299 60	310 171 98 197 305 286 69	320 157 95 198 287 302 80	362 203 78 190 297 349 90	289 166 77 196 320 331 68	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 +78 220 327 341 79	284 168 87 167 298 305 73
Deaths from—  Small pox	23 13 28 10 1 29 - 34	19 17 31 13 - 27 - 17	19 12 44 14 - 28 - 16	24 7 38 16 - 33 - 6	25 9 43 28 - 21 - 17	22 11 43 22 1 26	31 6 40 26 19 - 13	24 14 46 21 - 21 - 19	31 12 47 32 - 15 1 14	27 11 30 41 - 17 - 13	27 8 34 37 10	- 30 8 30 40 - 16 - 10	21 12 31 36 15
All the above Diseases -	138	124	133	125	143	144	135	145	152	139	127	134	123
Dis. of Respiratory System—Phthisis—————————————————————————————————	237 135 130 50 114 433	248 155 133 71 143 451	285 183 125 67 137 468	280 148 145 66 139 473	340 161 145 76 179 446	295 156 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	- 306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 463
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	49.8 56.5 43.0	49.6 56.0 44.0	48.0 52.5 43.1	41.7 45.2 37.3	44 <sup>1</sup> 1 47 <sup>1</sup> 6 39 <sup>1</sup> 5	49·4 52·7 45·1	48·0 51·9 43·0	40·1 45·3 34·6	43.3 48.1 36.8	42.0 46.9 36.2	45.0 50.7 39.8	47·4 51·9 41·9	38 <sup>-2</sup> 43 <sup>-2</sup> 33 <sup>-7</sup>
Humidity of the Air	79	93	89	90	85	83	88	80	84	87	83	84	80
Rain-fall (in inches)	0.25	0.02	0.03	1.88	0.26	1.34	0.00	0.02	0.81	0.24	1.03	1.00	0.08
Registered Sunshine (in hours)	28.7	27.2	10.7	7.0	5.6	6.7	0.8	12.9	14.0	5.6	20.3	3.3	35.8
CASES OF INFECT	ious 8	SICKN	ESS IN	Hose	ITALS	* AT T	HE E	ID OF	EACH	WEE	K.		
Smarl-pox	3092 1241 230	3188 1251 242	3259 1251 252	3162 1250 266	3142 1274 286	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	2777 1257 250	2749 1304 243	2679 1368 249
* T	he Met	ropoli	tan As	vlum	and Lo	ndon	Fever	Hospi	tals.	1			'

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. 'reston, Esq., F.R. Met. Soc., Norwich: John Merrilleld, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton: 'Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 4. FOURTH Week of the Year 1899.

			THE PERSON NAMED IN	STATE OF THE PARTY.		Selective and			ACCRECATE VALUE OF THE PARTY OF			_	_				_	_	-
	the	2	In	the lay,	We 28th	ek en Jani	din:	g 7 189	99.		the	S	atur	n th day,	e We	ek e Jan	ndin uary	g 189	9.
	the 10		De	aths tl	of l	Perso ges	ns o	f			es for he 10		D	eath	s of the	Pers Ages	onso	f	
AUSES OF DEATH	Averages k of the 1889-96*,		τ	Inde	r ,	er 40.	under 60.	er 80.	a.	CAUSES OF DEATH	Averages of the 1889-98*,		Γ	Und 29,		ar 40.	ar 60.	er 80.	and
	Corrected 4th Week	ALL AGES.	170	1-5,	5-20.	20 and under	40 and und	60 and under	80 years upwards.		Corrected 4th Week	ALL AGES,	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60		St years a
CAUSES	2011.7	1382	284	168	87	167	298	308	5 73	Diseases of Circulatory System }	170 3	121	-	3	10	11	40	48	9
II- {Vaccinated † Unvaccinated x {No Statement les et Fever	47:5 16:5 0:1	21 12 -	5	16 10	- 2		111111	11111	111111	Croup	6.0 363.0 158.9 6.9 45.0	2 143 97 3 21	27 34 -	2 14 25 - 3	- 3	1 5 - 4	26 16 3 5	12	13 2 - 2
enza	75°3 68°0 39°8 0°6 10°4 0°1 14°8	21 36 31 - 15 - 8 1	14 3 - - 5 -	2 21 16 - - -	1 12 - 7 - -	6 - - 7 - 1	8 1	4 2 -		Dentition Quinsy, Sore Throat - Enteritis Peritonitis Diseases of Liver - Other Diseases of Digestive System	12.6 1.8 12.3 5.8 23.6 33.8	6 1 15 10 19 33	2 1 8 -2 9	- 2 - 1	- 1 1 1 4	31	- 3 2 7 10	- 1 3 7	1 - 2
ophobia	0·1 9·7	- - 6	- - - 3	- 1	1 1 1 1	- 1	- - 1			Diseases of Lymphatic System & of Ductless Glands	.1.7	4	-		3	-	ı	-	-
pelas	4·2 2·0 5·4 1·8	3 1 2 2	1 - 1	- - 1	1 1 1 1	1 2		1	2	Diseases of Urinary System 3	. 48:3	53 —		2	1	7	20	22	1
sh	0.5	-				-		-	-	Diseases of Generative } System } Accidents of Childbirth-	6.8	3 2		7	1	1 2	1	-	-
cal Diseases - )					_					Diseases of Locomotive }	8:2	7	-	-	2	4.	-	1	-
ation, Want of ast-milk	1°5 9°0	1 19	1 -	-	-	5	8	6	-	Diseases of Integumen-	6.3	11		1	-	1	4	5	-
matic Fever, umatism of Heart s matism	8·4 2·3 4·2 5·3 65·3 18·3 22·3 176·2 20·4 14·1	6 3 4 2 77 14 14 14 10	- - 1 10 3 - 2	- - 1 - 2 9 4 2 1	4 1 13 3 1	1 1 - 6 1 1 63 1 2	- 53	30 1 - 11 - 3	1 - 1 - 2	VIOLENT DEATHS.;  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks.)  (exclusive of Drown- ing) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex-	50:1	15	11 1 11	ī -	2	1 2		and the second s	
ature Birth	50.7 3.8 5.9 64.5	35 6 12 44	35 6 12	-	-	-	-	 - - 19	- - - 25	plosions } By Drowning By Suffocation in Bed - By Poisonsor Poisonous Vapours - Other or not stated causes	>56.1 <	11 6 20 1 28	- 20 - 7	-		1 1 4	1	1 1 4	
exy psy ilsions Diseases of Brain } Nervous System }	47.6 9.2 41.7 101.8	39 9 22 71	- 21 8	1 1 4	-	3	1.0 - 1.6	2	5 - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.7 6.4	35	21 -	1	-	-	3	1	
ses of Organs of }	26	5	-	4	-	-	1	-	~	OTHER CAUSES -	59.0	-44	39	3	-	- !-	2	-	-
ne numbers in this co	lumn are	the	aver	age	We	ekl	v d	eat	hs fo	or the ten years 1889-98, raise	ed by 5°21	3 per	r ce	nt.	for	inc	rea	se	

ne numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase pulation. My those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered cal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." the evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the part o

Table 5. LONDON.\*—Population; Births; Deaths from all Causes, and from Small-pox, Measi Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in e Sub-district during the Week ending Saturday, 28th January, 1899.

	RICT during the We				1					-	gister	ed du	ring	he W	eek iz	aclud	е	
		Enume-			Dea	thsof					Death							ions,
REGISTRATI	ION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhœa.	Violence,	Inquest Cases,	Deathsin Public Institutions
LO	NDON	4,411,710	2686	1382	284	378		21	12	31	36		15	_	8	80	161	463
WEST DIST NORTH DIS CENTRAL I EAST DISTI SOUTH DIS METROPOLI AND A REGISTR	TRICTS	778,251 1,040,694 233,635 716,334 1,642,796	402 579 105 568 1032	258 301 80 243 461 39	53 55 10 69 97	72 80 16 51 138 21	-	9 2 4 6	3 2 - 4 3	5 10 1 - 15	11 10 - 5 10	111711	34341	11111	2132	20 15 1 26 18	35 33 5 52 36	85 101 33 78 127 39
WEST St. Mary Padd: WHH St. John Paddi	,	90,996 33,510	51 4	33 12	9 -	8 5	-,	-	-		3 -				1 1	i 2	3 2	5 6
Kensington To Brompton H		122,164 48,301	63 8	45 11	10	16 5	-	-	-	~. ~	1 -	-	-	-	-	1 -	3 -	18 2
St. Peter Ham St. Paul Hamn Fulham Ww	nersmith HHW.&G.	9,097 95,102 113,781	6 56 93	26 43	- 8 15	- 5 7	-1		3	- - 4	- 1 2		1	-	1 1 1	6	8 2	6 16
Chelsea Kensa Chelsea North Chelsea South	WHHHHHH-C.	21,450 42,057 33,139	12 29 22	5 19 11	2 - 6	1 6 2	-		-		1 3	-	-		1 1 1	1 2 1	2 4 1	10
May Fair W Belgrave WI St. John West St. Margaret W	<i>HHH - ` C.</i>	23,827 56,140 31,492 22,097	16 17 5	8 23 6 9	2 1	3 6 2 3				1	-		- - 1	1 1.1 1	1111	3	- 6 - 2	10 -6
	<i>нинини</i> - N.	23,050 12,048	10 4	3	-	2	-	-	-	-	_		1 -	-+		1	1	1
All Souls Man HHHHHHH Rectory Mary St. Mary Mar HHHH Christchurch	HHH G. & W.	36,595 19,798 19,637 32,547 32,611	8 7 26 10 14	12 1 1 3 7	1 - 21	1 1 3		1			-				11.1	- - 1	1	5
Hampstead WwHHHH	- N. & W.	75,449	37	31	7	อ	-	-	2	5	-	_	2	-	. ~	1	1:	14
Tottenham-ed	me HHH - N $me HH - N$ $me HH - N$ $me HH - N$	37,341 26,757 29,426 32,161 16,669 98,410	15 10 14 23 7 62	9 12 11 14 3 28	2 2 2121 - 8	3 2 1 4 2 6		1 3		1	2 1 1 1 -				1	3 1 - 1 3	1 3 1 - 1 .8.	8 5335
Upper Hollow  WWWWHE  selington South Islington South Highbury H	$\{T_{ij}\}$ - N. th-west H - N. th-east - N.	98,273 107,365 66,549 64,577	55 56 46 37	48 11 15 15	5 3 3 4	13 3 4 3 .		3 -		1 -	1 -	-	- 1 -		1 1 1 1	1 -	2 2 1	29 1 -
Stoke Newing North Hackn Central Hack South-west H South-east Ha	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	33,485	$   \left\{     \begin{array}{l}       18 \\       26 \\       30 \\       41 \\       37     \end{array}   \right. $	4 8 15 21 32	11245	1 3 4 5 11		1		1 1 25 3 1	- 22 - 22	-	- 1	1 1 1 1	1	1 2 1	1 2 5 3	- 3 9 16

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers reserved; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. It man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junet Compuny; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. E. London; and K. the Kent Company.

See note † on first page of this Return

BLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday. 28th January, 1899—continued.

SUB-DISTRICT during the Wes		Sava		2001	ı vai	luai	y , 1	000	-607	00010	wew.		•					
							Th	e D E A	THS	regist	ered	durin	g the	Weel	inel	ude	4.	( 20.
	Enume-			Deat	hs of			٠, ٠		Death	s fro	m					tution	s of
REGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age,	Persons aged 60 Years and upwards.	Smail-pox.	Meanles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoea.	Violence	Inquest Cases.	Deaths in Public Institution	Uncertified Causes
CENTRAL DISTRICTS.  t.George Bloomsbury N. t.Giles South $WH$ N. t.Giles North $H$ N.	16,110 12,976	553	3 6	-	2		1	. 1 .		.1 1.	-	-	: :==: ::=::	1.124 1.124	. 1	7 A	. · · 5	
t. Giles North $H N$ .  t. Martin-in-the-Fields $HHN$ . & C.  trand $WHH N$ .  trand Union Workhouse, Edmonton	9,151 13,077 11,839 +1,037	3 3 3	1 . 5 4 -	1 -	1 1 -			1 1 1 1		113	1 1 1 1 1 T	-	72 -	1	111	1	2 4 -	
olborn wHHHHHHH - N. t. James Clerkenwell - N. mwell Clerkenwell - N. oswell-street - N. try-road 4HHL - N. Thitecross-street - N. insbury - N. olborn Union Workhouse, Mitcham - S	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	8 7 21 7 29 4 1	10 3 5 4 14 2 - 2	3 - 1 4	2 1 3 1 - 1	11111111	1	erreitie.		1 1 1 1 1 1 1 1 1 1	1,11111	1		A LITTER	1	1 2 -	3 - 7 - 2 - 2	1111111
t. Botolph $H$ N. & E. ripr legate N. & E. t. Sepulchre $WH$ N. lihallows Barking N. road $\operatorname{Ctreet} H$ N. $\operatorname{ty}$ of $\operatorname{London} \operatorname{Asylum}, \operatorname{Stone}$	6,870 3,299 9,591 9,059 2,892 +388	2 1 5 1 -	15 15 1 1	1	1	Titi	111111	111111	1	64,641.3	111111	2	1111		7 # 1	41.11.1	14	1 1 1 1 1
EAST DISTRICTS.  horeditch South $Hl$ - E. & N. (oxton New Town $w$ - N. (oxton Old Town N. (aggerston $WH$ N. & E.	17,975 29,575 27,645 47,163	10 18 13 27	6 11 12 1 <sub>7</sub>	3213	2 5 3 4		1	1111		1	-	1111			1 2 2 2 A	1 4 3 3	-10	1111
ethnal Green North $H$ - E. ethnal Green South E. ethnal Green East $WHl$ - E.	49,301 34,194 45,667	47 35 33	14 7 16	8 3 2	4 2 5		1 1 1		1 1 1	1 1 1		ī	-	2	2	4 1	2 10	1 -
pitalfields E. & N. lile End New Town* $WH$ - E. codman's Fields* E.	26,681 } 51,995 {	17 25 18	9 36 6	3 4 2	1 3 -	-	1 1 1	1 1 1	-	2	-	- 2 1	-	1 1 1	2 - 2	2 3 2	29 -	
t. George's North E. t. John, St. George East W E.	39,576 7,930	<b>3</b> 9	13 5	6	32			1-4	-	-	# F	TO 1	-	· -	-	2	4	-
had well $H$ $E$ & N. atcliff $W$ $E$ imehouse - $E$	10,434 14,954 32,917	11 5 28	5 2 6	3 3	ī			-	-	1			- F - F	111	- 1	2	3 -	
Life End Old Town West $H$ E. Lile End Old Town East $WWww$	} 111,060	{ 58 35 *	9 11	5 1	3		-		J :		-	-		1	1	2	5	17.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- <b>41</b> ,687 69,821 57,759	34 63 45	13 27 16	5 10 4	27-21	1 1 1	1.1.1		1 1 1	1	-	181	T T T	111	2 5 5	6 6 9	10 1	

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of Londov. \* Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox Measl Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each Sub-District during the Week ending Saturday, 28th January, 1899—continued.

										rns re	giste	ed dr	uring	the W	eek i	nelud	le		-
1		Enume-			Deat	hsof					eaths						1	ons.	1
200 m	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions	Theory and A
St. Ke Bo: Lo: Tri St.	SOUTH DISTRICTS.  ristchurch Southwark WHL.&S. Saviour Southwark - S. nt-road S. & L. rough-road WH - S. & L. ndon-road HL - L. &S. inity Newington - S. & L. Peter Walworth W - S. & L. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 5 14 8 14 21 23 17	5 3 8 8 3 6 21 10	1 2 2 4 2 3 8 1	2 1 1 3 1	(4211111	1	1		41	14,1111,1	Faritifi		111111	1111	1 1 2 1 - 2	5	
St. Ber Ros	Olave $WH$ S. rmondsey $W$ S. thereithe $WwH$ S. & K.	- 11,731 - 85,475 - 40,379	. 5 66 22	9 25 17	9 3	1 7 5	1111	1	-	1 2 -		1 1 3	-		  405=	1 - 2	2 1 3	7 3 6	
Lai Kei Kei Bri	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	24 14 28 47 19 54 12	5 12 19 15 10 27	1 1 4 3 6	-4 7 9 5 7	31111113			1 3 -		111111	1		1	1 1 1	1 2 3 1	2 9 11 - 2 -	
Eas We Cla Wa Put Stre	st Battersea S. st Battersea $WwH$ S. pham $H$ S. mdsworth $WHHL$ - S. they S. eatham $WwwwL$ - L.	71,730 93,385 46,953 58,101 20,566 61,644	51 42 27 43 14 31	-11 -29 -9 9 3 17	532	3 10 3 3 2 8	-	2		- - 1 -	- - - 1	111111	11111	1111/11,	11111	1	3 1 - 1 1	12 - 1	
Dul Car Pec St. 0	wich L. & S. nberwell Wwll - S. & L. kham WW - S., L., & K. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 50 59 37	1 54 20 8	- 4 4 2	24 6 1	1,11,1	ī ī	-	- 1	- 3 -	1 1 1	1111		ī -	ī -	- 1 - 1	40	1 1 100 1
Der Der Gre	otford North $-$ - $-$ K. otford Central $w$ - $-$ K. otford South $-$ - $-$ K. enwich West $H$ - $-$ K. enwich East $WH$ - $-$ K.	36,152 45,441 33,402 23,012 37,767	29 34 15 16 33	4 9 7 3 24	2 2 3 1 6	2 1 1 9		1 1 1 1	1	ī -	1111	1111	11111	-		1 1	1 1 1 1	2 - 14	1
Lee	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	2 9 29 22	1 4 12 8	1 2 2	1 -4 3			1		1 1 1 1	-			1111	1,11,1		5 -	1 1 1 1.
Woo	orlton wHH K.  olwich Dockyard K.  olwich Arsenal HHHH - K.  mstead West H K.  mstead East WH K.	15,928 19,355 21,959 16,714 42,538	9 10 21 3 29	721538	1 - 2	1 2 -	11111		-	4		11111	1111		1111	1 - 1	1 2 2	6 2	11111
Can Hos Dar Lon Han Colr N.E Win Lear	stead Asylum			3 10 1 4 - 3 3 2 7 4		281 - 31 - 66 -	1111111111		1 2 -					1111311111				3 10 1 -4 -3 3 2 2 7 4	1111111111111

AE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 28th January, 1899.

SILC.	in Popu- H V 7 7 7 8 8 8 8 8 8 8																	
						Deat	hsof	THE	DEA					** 66 B	Incit	lue		-
on iet l iet a-	REGISTRATION SUB-DISTRICTS.		rated	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death,
'O'	NDON-OUTER RING -	368,749	1,422,063	1098	429	95	141	_	7	2	13	15	4	5	12	25	57	6
:1	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	17 .8	6 4	$\frac{1}{2}$	2 -	-		-	-	-	-		-	1		
:1	Godstone, part of * W -	2,754	1,598	4	4	2	2	-	-	-	-	-	-	-,	-	-	-	-
:1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	20,851 11,697	128,699 23,072	71 18	42 4	8 -	21 2	-	-	-	-,	3	-	1	-	2	15	į į
12345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	16 26 4 7 12	14 9 5 3	6 2 1 1 1	3 4 3 1	11111	1111	11111	1111	3 -	11111	11111	-1	1	3 2 -	11111
1 2	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	11 10	6 5	ī	1	-	-	-		7 4		-	1	ĩ	2 -	-
1 2 3	Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	18 12 14	8 5 5	1 2 3	2 - 2	-	1	1 -	1 -	1	-	1 -	-	ī	3.1	- 1
:1	Bexley HHH Dartford WH, part of * -	12,540	30,590	29	6 -	1 -	2	-		-	2	-	-	1		-	-	, Œ
1 2	Sunbury w Staines WH	11,054 13,277	13,671 13,221	9.	28	1 -	1	-	-	-	-		-	-	-		ī	1
1 2 3	Hillingdon WHH Uxbridge	6,035 12,757 7,952	12,237 7,253 11,051	5 3 8	2 1 -	ĩ	1 -		1 1 1	-	17.1.1	1 1	-			111	1 -	- - -
12345	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	20 11 21 14 22	8 9 4 11	1 1	5 3 2 4	-	11111	-	- 1 -	11111		11111	1 - 1	1 -	1 -	- 1 1
1 2 3 4	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	5 3 57 11	1 21 3	5 1	1 8 2		1 1 1 1	1.1.1.1	- 1	1 1 1 1	1 1 1 1	1111	1 1 1 1	-	1 2	1 1 1 1
2 3	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	6,367 14,152 25,820	2 7 13	3 4	 	- 1 1	-	-		- 1	-	-	-	-	1 1 1		- - -
123456	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	39 72 42 22 3 6	16 26 18 15 15	2 7 1 2 1	5 5 4 -		2	1 1 1 1 1 1	3	ī - - 1	11111	1	1 - 2	1 3 2 -	7 3 -	111111
1	Hatfield, part of * W	3,306	582		-	-	-		-	-	-	-	-		-	-		-
1°	Bushey $H$ Watford $WH$ , $part$ of $*$ -	9,331	7,737	4 -	1 -	-	1 -	-	,ran 	-	-	-9	-	-	-		-	-
123456712	$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	38,612 53,030 54,750 53,511 32,713 70,188 57,330 12,941	43 62 57 25 52 61 63	15 23 15 15 17 22 15	4 9 7 3 5 4 4	5 4 3 4 2 8 9	1111111	22	11111111	3 - 1	1 3 1	2 1	1 - 1	1	1 2 1 -	1 2 1 - 3 - 1	1 2
123	Romford, part of * WH - Ilford	6,556 8,493	4,324 10,913	3 17	1 4 3	1 1	- 2		-	-		-	1 1	-	71 1	-	-	1 1 1
3	Barking Town, H Middlesex Co. Lunatic Asy., Wandsworth. City of London Asy., Stone	3,814	14,301	20	3 1 1 1 1	J J 13	1		-	-	-	-			1 1 11	-	1 1 1 1 1	1 1 1
The	London Co. Lunatic Asy., Hanwell.	ad withi	n that per	tion of		etro	oolite	n P	line	Diet	riet	whi	ch fo	rms	the	Onte		no

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Esher (pop. 2,182); 41: 3, Chislehurst district, except the parish of Cheisfield, Cudham, and Knockholt (pop. 3,087); 135: 1, the parish of Northaw in field sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 0.1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for other parish of Diseases helpoging to the Outer Disease Disease

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 28th January, 1899.

			ANNUA	L RATE			The DI	SATH	Sreg	istere	l in tl	ie We	ek ind	clude		
GREATER	Area	Population estimated	of MOR	TALITY 0 living.	DEATHS	Dea	ths of				Deatl	ns fro	m			phlic
LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoes.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	1
GREATER LONDON	443,421	6,528,434	14.5	1.3	1811	379	519	_	28	14	44	51	19	13	92	52
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	15 <sup>8</sup>	1.4 1.2	1382 429	284 95	378 141	-	21 7	12 2	31 13	36 15	15 4	8	80 12	46

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY IN EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

			ULLCE	III Certain	201101	. 01111101							
	POPULATION	D				ANNUAL	DE	ATHS		M PRI DISEA		L ZYM	OTI
CITIES.	(enumerated	OF RETU	RN.	BIRTHS.	DEATHS.	DEATH-	Small-pox.	es.	et r.	Diphtheria	Whooping-	F.	ceal
	or estimated).	Week end	ing	Exclusive	of Stillb <b>orn</b>	1000	1-11-1	Measles.	Scarlet Fever.	pth	doo	Fever.	Diarrhea]
							Smg	ğ	σ F4	Dip	Wb	H	Dia
EDINBURGH -	298,927	January	28	162	116	29.2		4	3	1	9	2	
GLASGOW	733,903	22	28	410	330	23.4	- '	7	7	4	12	1	1.7
DUBLIN	349,594	99	28	183	167	24.9	-	-	1.	. See	5	5	1 -
CALCUTTA	466,460	December			267	29.8	1			. 2	-	102	3
BOMBAY	821,764	January	10	-	-	-	-	-	-	<u>.</u>	***	-	-
MADRAS	452,518	December		T	-	-	-	-	-	-		_	-
PARIS BRUSSELS	2,511,629 551,011	January	21 21	1174	884 214	18·3 20·2	_	6	3	5* 2*	8	9 2	39
AMSTERDAM -	512,758	99	14	295	164	16.7		1		_			1
ROTTERDAM -	306,439	99 -	14	224	96	16.2	_	1	-	5 2	5 3	1	-
THE HAGUE -	196,325	95	14	118.	64	17.0	-	- 2	. \-	1	3	~	_
COPENHAGEN -	345,000	22	21	181	124	18.8	_	6	3	3	4	1	4
STOCKHOLM -	283,550	13	14	136	108	19.8	-	2		12*	- man	1	4
CHRISTIANIA -	293,337	23	21	134	79	20.2	** .	-	-	2	1	-	1
ST. PETERSBURG	1,132,677	"	14	475	684	31.2	-	6	12	27	5	18	73
Moscow	988,610	79	14	-	593	31:3	7	14	7	14	1	8	15
BERLIN	1,805,054 675,351	59 -	7	983	593	17:1		9	8	18	7	2	23
DRESDEN	388,300	" December	21		205 109	15.8 14.6	_	1	1	4* 2*	2	1	3
BRESLAU	392,795	January	21	_	188	25.0	_		3	3	1		. 28
MUNICH	445,000	"	21	-	180	21.0		-	1	2*	- 3		15
VIENNA	1,606,629		21	900	647	20.9	-	11	8	. 9*	8		44
PRAGUE	380,497	99	14	228	189	25.8	-	9	2	3	-	1	3
BUDA-PESTH -	666,722 165,913		14	97	335 99	15·9 31·0	-	5	4	4		3	18
ROME	499,540	" December		216	239		-	-	5	4*	-	1	1
TURIN (11 days)	344,203	December	31	210	239	25 0 1		-/		6	3 4	5\$	· 13
VENICE	169,883	January	14	84	95	29.2	_	2	100	6*	-	1	.4
CAIRO	570,062	August	26	-	-	_	_	_			_	_	
ALEXANDRIA -	319,766	99	26	-	-,		-	-	-	-	-	_	-
NEW YORK (including	3,438,899	Tonrows											
BROOKLYN) S		January	7	-	ana .	-	-	-	-	-	-	-	-
LAIDADELPHIA -	1,266,832	57	7	-	713	29.3	-	-	5	27	1	24	9
-						-						-	

\* Including deaths from croup.

‡ Including 2 deaths from cholera.

5 Malarial fover

		Ozone,		3.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	26		302;	ions ions ears the	The	bles. ions	and ster,	eter.	ent,	reek	
Bain	in a		surfaceis- 5inches above the Ground.	in. 00:0	80.0	0.00	0.00	0.00	0.00	0.00	Sum 0.08	25		rel of the sea;	the wet bulb of corrections bewenty years 1868 for the	minim mn 8). n the m	ical Tal bservat moven	ing 1875.	ectrometer moderate	nstrum	f the w	
			Departure from Average of 16 Years.	Miles.   +413	+112	98 1	- 47	+ 26	+ 23	- 18	Sum +423	24		ean level	and the ation of ig the tv nding 1	um and air (columed)	grometriof theo	sars endi icates " h of the th	istering Ele weak; m.	nshine I	inning o	
3.		Robinson's.	Horizontal to Movement of the Air on each Day.	Miles. 746	445	248	588	361	350	318	Sum 2765	23		ve the me	L., and an nometer, ne applica ade duri r years e	re of the	isher's H	the 16 years that the lexerror	elf-regist	Stokes Su	tay. t the beg r. by the	
ometer		9	Mean of 24 hourly obs.	lbs.	6.0	0.1	6.0	0.4	4.0		:	25		nt to n et abor luce to	therry by the rds menty wenty	of the	oy Glaron a	rds for ind th	Thomson's self-reg N. negative: w.	pbell-8	each c 8 in. a 29 98 ir	
m Anen		Pressure on the Square Foot.	Least. h	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21		159 fe to rec	bulb bulb values c reco the t	ings f tem	eters]	crecor e in n	homs N. ne	Cam	ine on sed to	
uced fro		Pressu	Great-	1bs. 22.3	8.8	1.6	4.3	0.9	- I	9.6	:	20		rom neter is adings	A.M.; le dry daily graphi luring	e read	batde endin	ometr e born	from ive:	om th	sunsn sed fre decrea	
Wind as deduced from Anemometers.	Osler's.	lrection.	P.M. 6	WSW. &		NNE.NE.	ENE. &	ENE. &	ENE. NE.	NE. SE		161	:	of the baronied to the re	taken at an arangarent tl d into mean of the photo	mean of the mean daily	wet bulb the of the 50 years	of the anem 24 it will be e.	od. y is derived	8, derived fr	n of bright meter increa e 25th; and	
		General Direction.	A.M.	SSW. &	WSW. &	źΖ	43	ENE SEE	43			18		The results apply to the civil day, or from midnight to midnight.  The height of the cistern of the barometer is 159 feet above the mean level of the sea, i correction has been applied to the readings to reduce to sea level.	Observations are usually taken as the A.m., into is introduced with the monoistation of the barometer, the dry builb thermometer, and the wet builb thermometer, and the wet builb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1885 for the permonneters. With the corrected mean reading of the dry builb chermometers when the corrected mean reading of the dry builb chermometers.	combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily value of temperature or the air doing 18. The mean and derree of humisiar are deduced from the mean	daily values of the dry and wet built thermometers by Glaisher's Hygrometrical <b>Tables</b> . The average temperature of the air is that derived the air is cassion of the observations made at Greenwich during the 60 very ending 1800, and that of horizontal movement.	of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading columns and 24 it will be borne in mind that + indicates "higher," and  "Jover," than the average.  The values given in column 17 are not corrected for the index error of the thermometer,	which cannot be determined. The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are, P. positive: N. negative: w. weak; m. moderates	s. strong; and v. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument,	they the aggregate utration of pright surantine on each day.  The reading of the barometer increased from 2918 in, at the beginning of the week to 3048 in, by 9h. F.M. on the 25th; and decreased to 2998 in, by the end of the week.	
RE.		Of the Earth	3 feet below the Surface.	46.23	46.20	46.36	45.91	12.10	44.50	43.84	45.58	17	;	esults a leight o ection b	e-readin meter, d from 1873 fo meters,	ed the meters,	alues of verage t t Green	ir from ading control of the control	cannot ecord mbols	g; and	ne aggre reading in. by 9	
TEMPERATURE		cion.	Lowest on the Grass.	40.0	34.2	23.4	22.1	25.8	25.3	53.8	27.8	16	£	The r The b	the eye thermo deduce ending	combin thermo mean d	daily va Thea made a	of the a In res	which The r	s. stron	The The to 30.49	ı
TEM	Ì	Radiation.	Highest in Sun's Rays.	0.08	1.97	6.17	83.0	87.0	80.3	0.62	75.4	15		very fine Strong	day.	with small Hoar frost	day.	of cloud; frost in	Hoar	after-		
	Degree	of Hu- midity (Satu-	ration equals 100).	70	88	85	7.1	98	62	68	- 08	14	KS.	ht.	a aa		very fine t night.	ts of clost	fine.	reast		
meen	ature	re.	Least.	0.9	2.4	15.7	6.0	6.6	3.1	0.2	8.7	13	GENERAL REMARKS	orning t nig	t throughou ind in early afterwards,	y fine	s ver	amounts f. Hoar	very	evening; overcast		
ence bet	Temper Dew Po	nperatu	Great-	9.01;	8.1	0.6	13.1	11.0	11.0	6.4	රී.රි	12	AL RE	in m	wind i	after a	cloudless; morning an	small in P.M. ght.	cloudless; ing and at n	vening in mo		
Differ	the Air Temperature and Dew Point	Tei	Mean daily value.	0.0	3.4	4.0	 	9.9	5.6	တ င်း၊	9.9	11	ENER	loudy	i prevalen h gusty w overcant	l noor	cloud moor	with fter 33 Lat nig	cloud ning a	till r fros		
	Of the	Dew point.	Mean daily value.	39.5	36.8	32.0	25.7	31.1	30.6	32.6	32.6	10	3	Partially cloudy in morning; vafterwards; cloudless at night.	gusty wind prevalent throughout the day. Fine with gusty wind in early morning; generally overcant afterwards. Rain in forenoon.	Cloudy till noon; very fine amounts of cloud afterwards.	Generally cloudless; a very fi Hoar frost in morning and at night.	Very fine with small a cloudless after 3h, P.M. morning and at night.	Generally cloudless; very frost in morning and at night.			
RE.			De- parture from Average of of	+10.4	+ 1.8	- 2.5	- 4.6	6.7 1	00 07 1	- 41	9.0 -	6		Part	gusty win Fine wit generally forenoon.	Clor	General Hoar fro	Ver cloud) morni	Gen frost i	Very wards.		
RATUR		ir.	Mean daily value.	-048.7	40.3	36.0	34.2	36.7	36.5	35.4	38.2	000	n sbove orizon,	9.8	<b>9</b>	2.8	2.8	<b>∞</b> ⊗	<b>∞</b>	8.0	Sum 61.1	29
TEMPERATU	1 100	Of the Air	Daily Range.	0.8	7.4	10.4	8.6	10.9	10.3	6.6	6.0	7	Registered Sun above Sunshine Horizon, in hours,	41		9	ে	0	<u></u>	6:5		28
			Low- est	0 44.6	37.2	31.4	29.3	31.2	31.9	30.5	33.7	9	Regist Sunst in ho	4.4	0.0	3.6	7.5	2.0	1.1		Sum 35.8	67
			High-est.	53.0		41.8	39.1	42.1	49.2	39.4	43.2		x. n of te.)	out -	A.M.; w.P. m. P.	A.M.;	۱ ک	A.M.;	A.M.;	noon;		
BARO-	Mean	daily reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 29-296		29-250	30.468	30.434	30.236	30.070	29-928	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	w. P. till 7h. A.M.; v. N. till noon; w. P. till 3h. P.M.; m. P. afterwards.	m. P. till 9h P. afterwards.	s. P. generally	s. P. till llh. A. m. P. afterwards.	m. P. till 8h. A.M.; s. P. afterwards	s. P. till no		27
		Phases		Greatest	Dec. N.	:	Apogee	Full	:	:		3	EL1 (For e	w.P.	w. P. till v. N. till no till 3h. P.M	m. P. s. P. aff	S. P.	s. P. m. P. a	s. P. aft	S. P		
			Q.	122	23	- 24	Y 25	- 26	- 27	82	'	- um	Y.	- 233	- 53	- 24	1 25 X	- 36	- 27			1
	1899		MONTH AND DAY	JANUARY.	2	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY	MONDAY	TUESDAY .	WEDNESDAY	THURSDAY-	FRIDAY	SATURDAY		No. of Obl.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
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1899.

#### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 5, 1899, Vol. LX. WEEK ENDING SATURDAY, FEB. 4.

Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, February 6th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 19.5 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :-

	٦	Weeks	endin	g	1				Weeks	endin	g
Towns.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.		Towns.		Jan. 14.	Jan. 21.	Jan. 28.	Feb.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	19·0 16·8 18·9 18·0 20·1 11·0 20·6 14·3 12·6 13·1 11·8 22·5 13·9	20·4 21·2 19·4 17·8 18·2 13·8 15·7 15·1 13·7 23·0 22·4 17·1	18·1 16·0 15·4 19·0 17·9 17·3 17·1 16·6 12·9 13·5 18·6 18·1 14·4 17·6 16·7	16·6 13·1 15·8 18·0 15·7		Leicester Liverpool London - Manchester Newcastle-on- Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverhampt	Tyne	22·8 18·0 22·4 16·2 16·2 21·1 23·2 17·8 18·2 17·8 24·0 17·1	21·5 17·2 21·3 19·8 21·6 19·8 15·9 16·1 17·2 22·6 16·5 18·9 21·5 26·6 15·8	23·3 15·8 18·5 16·9 18·9 18·1 18·0 23·8 15·6 22·6 16·2 18·3 22·2 21·6 12·0	25·2 19·4 23·2 23·5 14·3 17·6 22·1 15·5 19·1 22·2 19·8 20·8 27·2 21·1

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.2 in Manchester, 1.4 in Oldham, and 1.9 in Bolton; and from whooping-cough, 1.0 in Gateshead, 1.1 in Nottingham and in Halifax, 1.3 in Bristol, 1.5 in Swansea, and 2.2 in Preston. In none of the thirty-three towns did the death-rate from scarlet fever, from "fever," or from diarrhæa reach 1.0 per 1000. The 87 deaths from diphtheria included 32 in London, 9 in Leeds, 8 in Sheffield, 6 in West Ham, 5 in Birmingham, 5 in Leicester, 5 in Liverpool, and 3 in Portsmouth. No death from smallpox was registered in any of the thirty-three towns.

### LONDON.

In LONDON† 2696 BIRTHS and 1690 DEATHS were registered. Allowing for increase of population, the births were 131, and the deaths 161, below the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

18.0, 17.2, and 15.8 in the preceding three weeks, rose again last week to 19.4. During the four weeks ending on Saturday last the death-rate averaged 17.6 per 1000, being 6.7 per 1000 below the mean rate in the corresponding

periods of the ten years 1889-98.

The 1690 deaths included 22 from measles, 8 from scarlet fever, 32 from diphtheria, 50 from whooping-cough, 1 from typhus, 10 from enteric fever, 10 from diarrhea and dysentery, and not one death from small-pox, from any ill-defined form of continued fever, or from cholera; thus, 133 deaths were referred to these diseases, being 52 below the corrected average weekly number.

The deaths from measles, which had been 27, 30, and 21 in the preceding three weeks, were 22 last week, the corrected average being 34; 5 cases belonged to St. Pancras and 3 to Islington sanitary areas. The deaths from scarlet fever, which had been 8, 8, and 12 in the preceding three weeks, fell again last week to 8, and were 10 below the corrected average. The deaths from diphtheria, which had been 34, 30, and 31 in the preceding three weeks, were 32 last week, the corrected average being 46; 5 cases belonged to Newington, 4 to Lambeth, 3 to Camberwell, 3 to Greenwich, and 3 to Fulham sanitary areas. The deaths from whooping-cough, which had been 37, 40, and 36 in the preceding three weeks, rose again last week to 50, but were 12 below the corrected average; 9 cases belonged to Newington, 8 to Camberwell, and 5 to Chelsea sanitary areas. The fatal cases of enteric fever, which had been 10, 16, and 15 in the preceding three weeks, further fell last week to 10, and were equal to the corrected average; 2 cases belonged to St. Pancras, and 2 to Greenwich sanitary areas. The death from typhus was that of a man aged 24 years, who had been removed from Paradise Street, Rotherhithe, to St. Olave Union Infirmary. The deaths from diarrhea, which had been 11, 10, and 8 in the preceding three weeks, rose again last week to 10, but were 4 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 363, 295, and 266 in the preceding three weeks, rose again last week to 348, but were 136 below the corrected average. The deaths attributed directly to *influenza* numbered 22, having been 8, 20 and 21 in the preceding three weeks.

Different forms of violence caused 74 deaths, concerning all but 2 of which inquests were held. Of these 74 deaths, 8 were cases of suicide, and 1 of homicide, while the remaining 65 were attributed to accident or negligence. Ten of these were referred to vehicles in the streets, 10 to burns and scalds, 5 to drowning, 1 to the effects of ether administered for surgical purposes, and 18 (including 17 of infants under one year of age) to

suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS\*.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2665 cases of scarlet fever, 1377 of diphtheria, and 229 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 265 cases, against 220, 249, and 220; of diphtheria, 184 cases, against 149, 178, and 189; and of enteric fever, 13 cases, against 35, 35, and 29.

GREATER LONDON.

In Greater London 3781 births and 2165 deaths were registered, corresponding to annual rates of 30·2 and 17·3 per 1000 of the estimated population. In the Outer Ring 6 deaths from measles, 2 from scarlet fever, 14 from diphtheria, 14 from whooping-cough, 4 from "fever," and 1 from diarrheea were registered. Four deaths from measles, 8 from diphtheria, and 3 from "fever" occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.59 inches, and that of the Thermometer 35.05; the latter being 4.3° below the week's average in the 50 years 1841-90. The direction of the wind was northerly, the horizontal movement of the air being 43 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 7.4 hours; the measured rainfall amounted to 0.18 of an inch.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

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FALL.		Ceuti-	иј	24.	0.53	0.46	1	0.53	1.45	1	0.38	1	,1	0.28	1	69,0	1	0.13	1	1	66.0	1 1	!	1	1	1 1	0.43	1	0.18	1	1	0.46	1	1 1	
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TEMPE		Highe	Fahrenheit,	19.	46.0	43.7	1	43.5	46.0	1 1	42.0	f	1	39.3	ı	44.4	( }	42.7	ı	1 5	40.7	1 1	1	1	1	1 1	45.8	1	43.0	ŧ	1	46.0	,	1 4	1
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Annua per l correspo	Week's I	HA mor	H	17.	19.2	19.4	15.5	11.0	13.1	1.62	15.8	12.4	21.1	22.9	22.2	14.3	15.8	17.6	78.0	22.6	2.07	93.9	19.8	22.1	18.0	22.2	13.1	22.4	9.91	18.8	8.02	14.5	2 19	23.5	1
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Registered during the Week ending 4th February 1899	90 7	Вівтнв. Оватнв.		-	6717 4	2696	189	46	× 65	64	201	116	26	22	344	89	129	127	3 8	19	108	305	121	88 1	27 57	6 4	51	19	100	23/	162	80	12	155	ı
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TABLE 2. LONDON.—Births and Deaths Registered in the FIFTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
Total Births  Males Females -	2662	2699	2991	2808	2768	2708	2587	2461	2582	2603	2827°0	2696
	1327	1355	1463	1422	1393	1365	1236	1262	1279	1306	1421°3	1342
	1335	1344	1528	1386	1375	1343	1251	1199	1303	1297	1405°7	1354
TOTAL <b>Deaths</b> -  Males  Females	1572	1849	1638	2500	1673	1620	1598	1516	1764	1861	1850°8	1690
	796	965	840	1232	852	821	828	<b>759</b>	884	939	938°1	875
	776	884	798	1268	821	799	770	757	880	922	912°7	815

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fifth week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

								VEEK	J.				
	Nov. 12.	Nov.	Nov. 26.	Dec.	Dec. 10.	Dec.	Dec. 24.	Dec. 31.	Jan.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.
TOTAL Births	2696	2585	2155	2575	2577	2519	2422	2215	2893	2435	2811	2686	2696
TOTAL Deaths	1405	1436	1439	1569	1447	1423	1470	1593	1666	1568	1503	1382	1690
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{matrix} \textbf{Under 1 year} & - & - \\ 1-5 \ \text{years} & - & - \\ 5-20 \ \text{years} \\ 20-40 \ \text{years} \\ 40-60 \ \text{years} \\ 60-90 \ \text{years} \\ 80 \ \text{years} \\ \end{array} $	328 158 76 191 293 299 60	310 171 98 197 305 286 69	320 157 95 198 287 302 80	362 203 78 190 297 349 90	289 166 77 196 320 331 68	280 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 . 78	320 177 87 223 331 346 84	289 169 178 220 327 341 79	284 168 87 167 298 305 73	330 191 78 224 358 417 92
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever - Simple Continued Fever - Diarrhea and Dysentery	19 17 31 13 27 7	19 12 44 14 28 16	24 7 38 16 - 33 - 6	25 9 43 28 - 21 - 17	22 11 43 22 1 26 - 19	31 6 40 26 19 13	24 14 46 21 - 21 - 19	31 12 47 32 - 15 1 14	27 11 30 41 - 17 - 13	27 8 34 37 10 - 11	30 8 30 40 - 16 - 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10 -
All the above Diseases -	124	133	125	143	144	135	145	152	139	127	134	123	133
Dis. of Respiratory System—Phthisis—————————————————————————————————	248 155 133 71 143 451	285 183 125 67 137 468	280 148 145 66 139 473	340 161 145 76 179 446	295 156 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 463	348 188 165 74 152 539
TEMPERATURE OF THE AIR.							1,100						
Mean	49.6 56.0 44.0	48.0 52.5 43.1	41.7 45.2 37.3	44.1 47.6 39.5	49 4 52 7 45 1	48.0 51.9 43.0	40°1 45°3 34°6	43·3 48·1 36·8	42.0 46.9 36.2	45.0 50.7 39.8	47.4 51.9 41.9	38 2 43 2 33 7	35.5 40.1 30.6
Humidity of the Air	93	89	90	85	.83	88	80	84	87	83	84	80	83
Rain-fall (in inches)	0.02	0.02	1.88	0:26	1:34	0.00	0.02	0.81	0.24	1:03	1:00	-0.08	0.18
Registered Sunshine (in hours)	27.2	10.7	7.0	5.6	67	0.8	12.9	14.0	5.6	20.3	3.3	35.8	7.4
CASES OF INFECT	ious s	SICKN	ESS IN	Hosi	PITALS	* AT 1	HE E	ND OF	EACH	WEE	K.		
Small-pox	3188 1251 242	3259 1251 252	3162 1250 266	3142 1274 286	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	2777 1257 250	2749 1304 243	2679 1368 249	2665 1377 229

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S. Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON.-DEATHS Registered at several groups of Ages from different CAUSES in the FIRTH Week of the Year 1899.

					FI	FTI	J F	Vee	k of	f	the Year 1899.									
	r the years	Distriction of the	I: Satur	n the	We 4th	ek er Febr	ndir	ıg y 189	9.	TV-Transferon		r the years	S	atur	n th	e We	eek e Febr	ndin uary	g 189	9.
	Averages for of the 10 1889-98*.		D		s of I		ons	of		COMPLICATION CONTRACTOR		rages for the 10		D			Pers Ages	onso	ıf	
CAUSES OF DEATH	ected Avers Week of 1889-	AGES.	1	20.	er	under 40.	under 60.	under 80.	s and	Undrosephanology Transferance	CAUSES OF DEATH	A.ve of 1889	ES.	-	Unde		under 40.	under 60,	under 80.	and
	Correcte 5th W	ALL AG	0-1	1-5,	5-20.	20 and u	40 and u	60 and w	80 years a	SCHOOL WHEELSTON		Corrected 5th Week	ALL AGES.	0-I.	1-5,	5-20.	20 and m	40 and m	and	SC vears
LL CAUSES	1850.8	1690	330	193	78	224	35	8 417	92	COLUMN TO SERVICE STATE OF THE	Diseases of Circulatory System	151.0	165	-	-	9	20	58	67	1
Small- Vaccinated † Unvaccinated No Statement feasles carlet Fever	0:3 0:2 0:3 33:8 17:9	- - 22 8 1	5	16		- 2		111111	111111	WENTSOME & SON VALABLE TO BE THE REAL PROPERTY.	Croup Bronchitis Pneumonia Pleurisy Other Diseases of Res-piratory System -	5·1 296·7 138·2 6·2 38·2	1 210 106 7 24	27	1 24 28 1 1	2 7 1 2	- 6 12 - 1	- 41 9 2 7	86 17 1 6	1
nduenza	61.8 62.2 45.6 0.5 10.3 -	22 50 32 - 10 - 10	25 2 - - - 6	25 24	6 - 2 -			6 - 1 - 1 - 1 - 1 - 1	3 1		Dentition	11:0 0:9 11:6 6:7 22:0 30:6	6 30 5 28 38	15 2 2 5	-	1 1 33 21 1 21	7 7	- 2 1 14 6	- 6 - 4 13	
emittent Fever ydrophobia landers cowpox and Effects of } Vaccination } enereal Affections	0.2	13	- 8	-		- - - 2	- - 3	-			Diseases of Lymphatic System & of Ductless Glands	2:5	1	-		-	_	-	1	-
rysipelas	4.6 2.4 4.1 1.2	$\begin{bmatrix} 1\\2\\3\\1 \end{bmatrix}$			ī -	3	1 - 1				Diseases of Urinary }	45.2	64	1	2	1	8	23	26	-
nrush	1.1	1 -	1			-	-	-	-		Diseases of Generative } System	6.4 5.2	5 6	-	1	-	5	3	1	and the street of
				_	-	-	_	-			Diseases of Locomotive System	51	5	-	1	2	1	-	1	Andrew
arvation, Want of Breast-milk 5 coholism	1.7 9.5	2 15	2 -	-	-	8	6	1	-		Diseases of Integumen-	6.8	8	2	1	-	-	3	2	
neumatic Fever, Rheumatism of Heart } neumatism	7.9 2.1 4.6 4.3 66.0 18.6 25.7 179.4 17.4 12.9	7 2 3 7 81 16 17 188 15 15	18823	- - 4 2 7 7 6 2 1	1 1 5 4	1 82	1 29 - 75 3	1 2 2 39 - 18 - 7			VIOLENT DEATHS.;  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning)	56.7	1 10 2 - - 10	-	- 1 - 6	1 - 3	1	1 3 1 -	-3	公司のは 村に なないというないないないとうにいう
emature Birth electasis ngenital Malforma-} tions	46.5 3.3 8.1 64.1	54 2 9 65	54 2 8 -	-	1		- - 1	32	- - 32	II	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes		5 18 3 16	17 - 1	1	1 - 2	1	2 2	1 7	
ooplexy pilepsy nvulsions her Diseases of Brain and Nervous System	46°9 6°4 42°4 95°6	52 6 31 94	30 9	- 1 10	1 2 5	-1	15 2 - 22	1 -	4 - 4		(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.5 9.8	1 8 -	111	1 -	-1	- 4 -		_1	The real Property of the Party
seases of Organs of }	2.9	.8		2	5	1	-	-	-		OTHER CAUSES	56.5	42	38	1	-	-	2	-	-
The numbers in this sel		42		-		2 .			1 0		the ten manual 1990 09 mais	od by 5:0	12 no	22 0	ant	for	in	ores	180	

The numbers in this column are the average weekly deaths for the ten years 1889-08, raised by 5°213 per cent. for increase population. fOnly those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered edical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the use of death is not certified by a registered practitioner, the case is returned under the heading "no statement." It has the inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of cident, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE, &c., registered in e SUB-DISTRICT during the Week ending Saturday, 4th February, 1899.

	SUB-DISTRICT during the We	ek endin	g Satı	iraay,	4th	. rek	orua	ry,	1999									
	The supplied of the supplied o				907703000000000000000000000000000000000			The	DEAT	'HS re	gister	red di	uring	the W	eek i:	nelud	le	
		Enume-			Dea	thsof					Deatl	ıs fro	m					utions,
	registration sub-districts.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Stall-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever,	Simple Continued Fever,	Diarrhosa,	Violence.	Inquest Cases.	Peathsin Public Institutions,
ı	LONDON	4,411,710	2696	1690	330	509	_	22	8.	32	50	1	10		10	74	152	539
The second secon	WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	895 623 131 530 1017	299 334 76 336 597 48	62 64 15 68 121	87 100 17 79 209	1 1 1 1 1	2 9 1 7 3	3 1 3 1	5 6 - 3 18	11 11 2 25 -	- - - -	1 2 1 4	-	2 1 2 4	13 9 3 25 24 —	26 30 9 45 42	114 91 28 111 147 48
	$ \begin{array}{c} \text{West Districts.} \\ \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \end{array}  \begin{array}{c} \text{G. \& W.} \\ \text{H. } \\ \text{G. } \end{array} $	90,996 33,510	50 4	30 12	7 1	9	· .	- 1	1	-	1 -	-		-	1 -	3 3	4	7
ı	Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	75 10	63	15 2	20 4		1	-	-	2	-	-	- 1	-	1	3	37 . 5
l	St. Peter Hammersmith $-$ W. St. Paul Hammersmith $HH$ W. & G. Fulham $Ww$ $ -$ W. & C.	9,097 25,102 113,781	6 65 75	1 34 45	8 9	1 11 12		ī	2	5	2	1.1.	1 1 1		. ī	1 2	1 9	- 3 15
l	Chelsea Kensal Town - C. Ohelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	25 16	24 15	1 3 5	1 8 2	11.1	11.43		1, 1, 3	1 4	1 1 1	ā		1.1.1	1 1 1	2	17 2
	May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	3 19 19 6	16 17 8 7	1 3 3 2	7 5 2 2	1111	1 1 1 2	, , , , ,	- - -	Třii	11.11	1.1.1.1	<u>-</u> -	1 1 121	-`. 1	1111	11 4 - 4
١	St. James Westminster $N. & G.$ St. Anne Soho $HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH$	23,050 12,048	7	10	2	3 -	11	, 1 1		- -	i 1	- -	1, 1	17.1	-	1	2	2
	NORTH DISTRICTS,  All Souls Marylebone H. W. Rectory Marylebone W. G. & W. St. Mary Marylebone B. G. & W. Christchurch Marylebone H. W. W. St. John Marylebone H. W.	36,595 19,798 19,637 32,547 32,611	11 9 34 10 24	15 7 5 8 9	1 1 2 3	8 2 3 3 3	1 1 1 1 1	- 1 - 1 - 1	1 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -	1 1 1 1	1 1 1 1 21	11 11 11 11	1.1.1.1.1	1,11,1,1,1		1	1 1 1	9 3 -
	$ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} $	75,449	32	18	1	4		-	-	2	1	-	. 1	:-	11 000			.9
Particular Section - Colombian	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	15 10 13 22 12 57	9 13 14 12 7 23	2 26 - 5	4 1 2 1 6 8	1 1 1 1 1 1	2 - 1 1 - 1	1 1 1 1 1		1		1 - 1	1 1 1 1 1	11111	2 - 1	2 - 3 2 - 1	9 6 - 53
Company of the Party of the Par	$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWwWHH} \\ \text{Islington South-west} \\ \text{Islington South-east} \\ \text{Islington South-east} \\ \text{-} \\ \text{N.} \\ \text{Highbury} \\ HH \\ \text{-} \\ \text{-} \\ \text{N.} \\ \end{array} \right. $	98,273 107,365 66,549 64,577	71 68 41 31	63 32 14 15	11 8 4	19 8 4 5	1 111	1 8 1 1	1 1 1 1	- - 1	2 2 -		1 -1 1-1	441711	1 1 1 1	1 1 -	5 6 1	33
Company of the Park Company	Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.& N.	33,485	$   \left\{     \begin{array}{c}       14 \\       19 \\       45 \\       40 \\       45     \end{array}   \right. $	2 6 17 20 25	1 7 5 5	1 2 3 4 10	11111	- 1		3	1 1 3 1 1	11111		1111	11111	- - 2 1	1 - 4 1	3 4 7

Note—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers; R man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junet London; and K. the Kent Companies; S. Southwark and Vauxhall; L. Lambeth N. New River; E. E. London; and K. the Kent Company. See note; on first page of this Return

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, DARLET FEVER, DIPHTHERIA, WHOOPING-GOUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each UB-DISTRICT during the Week ending Saturday, 4th February, 1899—continued.

	1						The	e DEA	THS:	regist	ered	durin	g the	Weel	inol	ude		
	Unuma			Deat	hs of					Death					-	1	Hons	Jo.
EGISTRATION SUB-DISTRICTS	Enumerated Population. 1896.	TotalBIRTHS.	Total DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhold) Fever.	Simple Continued Fever.	Distribus,	Violence	Inquest Cases.	Deaths in Public Institution	Uncertified Causes Death,
CENTRAL DISTRICTS.																		
eorge Bloomsbury N. iles South $WH$ N. iles North $H$ N.	16,110 12,976 9,151	20 2	6 5 2	1	2 -		-	-	1 7 1	-		ī	-	-		3 -	3 -	
artin-in-the-Fields HHN.&C. ad WHH N. ad Union Workhouse, Edmonton	13,077 11,839 +1,037	3 3	10	1 -	1 2 -	1 1 1	-		-		1 1 1	-	P 7 1	1	ī	2 -	5 4	111
orn wHHHHHHHH - N. ames Clerkenwell - N. vell Clerkenwell - N. vell-street - N. tecross-street - N. bury - N.	\$1,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	19 11 22 9 27 2 1	10 5 7 9 2 -	3231	2 2 3 - 1	1.40111101	1	TITLLE		1		1	Triffial	4 111,114	11/11/11/11	1170100	6 - 4 - 1	1111111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	5 - 1	6 -	1 1 1 1 1 1 1	1	J. L. L. L.	1111111	13.11.11	11111	11111	111111	11111	11111	. 1 4 1 1 1 1	121	TIME BE	1.1.0.1.1.	11111
EAST DISTRICTS.  reditch South $Hl$ - E. & N. ton New Town $w$ - N. ton Old Town - N. egerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	12 34 20 40	10 21 10 27	3 6 3 6	4 6 4 4	17.17	1	1111	1111	1111			11117	1111	1 -	3222	1 9 11	1111
hnal Green North $H$ - E. hnal Green South - E. hnal Green East $WHl$ - E.	49,301 34,194 45,667	45 31 28	20 9 32	6 2 6	239	- - - -	1 1	1 -		-	-	1 -		1 1 1	2 - 1	3 - 4	1 14	P 1 1
alfields $-$ - $-$ E. & N. e End New Town* $WH$ - E. dman's Fields* - $-$ E.	26,681 } 51,995 {	18 36 11	8 40 7	2 3 1	3 9 -	- ·	111		1	2 - 2 - 2 -	-	-	111	1 1 1	1 5 1	2 6 2	31 -	-
George's North E. John, St. George East W E.	39,576 7,930	<b>3</b> 3 5	8	2	2 3			-		-	-	-	1 1		1	1 2	.5	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	14,954	4 5 25	5, 5, 11	- 5	- 2 1		1		-	-	-	-			1 1	$\frac{1}{4}$	4	-
e End Old Town West H E. e End Old Town East - E.	1 111,000	{ 42 34	16 19	5 3	5 6	-	ī	-	1 -	ī	-	-	=	1 1	1 -	1	7	-
w l E. omley wwwH E. plar WW E.	69,821	24 45 38	15 43 21	6	6 9 1		- - 1	-	ĩ	1 -			111	1 - 1	1 8 -	6 -	3 24 1	-

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of **London**.

\* Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5 LONDON.—POPULATION; BIETHS; DEATHS from ALL CAUSES, and from SMALL-FOX MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 4th February, 1899—continued.

	or was a state of		irday						_		-				1		
					hsof		The	DEAT					LDS W	eek i	neiud	e	1 1
REGISTRATION SUB-DISTRICTS	Enume- rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Year	Persons aged 60 Years Sand upwards.	OX.		rever.		Whooping-cough.	fron	(yphoid)	Continued	8.	e e	Cases.	Deathain Public Institution
		TotalB	Total D	Infants of Ag	Persons and u	Small-pox.	Measles.	Scarlet Fever	Diphtheria	Whoopin	Typhus	Enteric (or Tever.	Simple Fever.	Diarrhosa	Violence	InquestCases	Doathair
SOUTH DISTRICTS. Christchurch Southwark W.H.L.&S.	13,064	5	3 4		1	-				-			-				
St. Saviour Southwark	12,301 22,879 16,083 21,316 28,723 62,045 30,171	10 20 19 18 20 42 21	13 3 6 8 31 9	3611383	1 1 9 4	111111	111111		1	2 - 26 1	11111	11,1,1,1,1	111111	11111	2 -	1 1 1 3 1	1 4
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	15 64 32	8 28 18	2 7 1	14 6	1,1.1	-	-	1		- ī	ĩ	7_7		3 -	3 1 ~	7 6 13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	20 11 28 37 30 50 12	8 12 37 22 18 27 10	1 4 6 3 4 1	2 23 7 10 7	1111111	111111	1	1 - 4 -	1 2 - 1	Partition	111111	111111	1 1 1 1 1	3 - 1 1 1 -	4 1 4 1 1	1 9 24 1 - 5
	71,730 93,385 46,953 58,101 20,566 61,644	62 57 18 41 10 39	17 37 12 13 3 20	6 13 2 4 - 2	5 14 6 5 1 13	11111	ī - -	111111	1	- - 1	111111	1,1,1,1,1	11111	1	1 - 1 -	2 4 - 2	13
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	4 36 32 46	1 48 27 17	8 8 2	1 18 6 6	1111	2 -	1171	2	- 2 4 2	1111	-	2 1 1 1	ī -	- 1 1 -	- 1 1 -	24 - -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	41 24 10 11 23	6 7 9 10 31	4 1 2 3 3	5. 4 12	11111		11111	2 1 1 -	11111			11111	1	1 - 3	1 1 4	- 2 - 1 18
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 8 19 18	8 14 13	2 4 -	- 2 2 6	1111		1111	-4-	1 1 1 1	1111	1		1111		1	1 6 -
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	7 10 11 8 26	7 3 7 7 15	1 - 1 2/3	1 2 1 6	1111	1.1.1.1.1	2	1			1			- 1 - 2	1 1 2	6 5
Banstead Asylum Caterham Asylum			6 2 12 3 1 8 4 1		2 6 1 - 3 1	1.11年前年1111	1111111111		11111 11111					1111111111	1111111111	1111111111	6212 - 3 1 841 - 38

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 4th February, 1899.

	ding Saturday, 4th Februa						_	The	DEA	THST	egiste	red in	the '	Week	inclu	de	-	-
g_				0		Deat	hsof				Death							_
on ict ict	BEGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Disfrhæa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death,
ON	DON-OUTER RING -	368,749	1,422,063	1085	475	108	135		6	2	14	14	4	1	12	32	60	3
1 2	Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	21 10	8 5	2 3	2 2	1 1		1-1	-		- 4		-	1 1	ī	1 10
: 1	Godstone, part of* W -	2,754	1,598	1	-	-		-	_		-	-	-	-	-	-		_
2	Croydon WwHHH	20,851 11,697	128,699 23,072	5 <b>8</b> 9	29 4	6	13 1	-	1 1	-	-	1		-	-	2 -	4	-
1 2 3 4 5	Wimbledon HHH Kingston W Surbitón H	3,220 14,672 4,565	$ \begin{cases} 25,777 \\ 33,566 \\ 12,178 \\ 11,080 \\ 18,252 \end{cases} $	21_ 23 5 5 10	16 4 1 4	3	1 4 2 - 2	11111	1	11.11.	1	1	1 1 1 1	1,	1 1 1/1 1	1 1 1	1 5 - 1	11111
1 2	Richmond $WH-$ Mortlake $H$	2,160 2,823	25,389 16,159	10 10	6 5	ĩ	3 1	1 1.		-	-	ī	, <del>-</del> ,	-	-	ī	3 -	
1 2 3	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	8 14 7	3 4 5	3 2	1 - 1	1 1 1	1 1 1	1.1.1	-	-	-	7 -	1	1	- 1	1 1 1
1 2	Bexley HHH Dartford WH, part of -	12,540	30,590	23	7	-	3	-		-1	-	-	_	-	-	1		-
1 2	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	12 7	3 3	1	1	-	-	~ '	· - [	7-	-	-	-	- 1	ī	
1 2 3	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	7,253 11,051	8 3 13	9 3 1	3 2 1	2				-		7 <u>-</u>			1.1	-	1
1 2 3 4 5	Isleworth WHH Twickenham HH Brentford HHHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	12 12 20 15 20	10 2 10 11 7	1 - 1 1 2	3 1 3 1	1,111,1	11111	1 1 1 1 1	2 - - 1	11111		1111	11111	111	3 2 -	11111
1 2 3 4	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	14 1 51 16	6 19 11	5 1	2 - 6 4	1111	1 1 1 1	1111	1 1 1	- 1	- 1	1111	1	1	7	1111
1 2 3	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	5 6 23	1 2 13	1 1 4	- 1	111	1		-			- - -,	-			1.1.1
1 2 3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	35 94 36 20 2 6	19 27 17 9 1 6	2 9 3 2 - 4	10 8 5 1 -	111111	11111	11111	- 2	2 1 - 2	+11141	111111	1 1	1 3 2	- 1	11111
1	Hatfield, part of* W	3,306	582	-	-		-	10	- 1		-	- 1		,°		- 2	-	-
1 2	Bushey H Watford WH, part of -	9,331	7,737	5 -	_ =	-	1 1	-	1.21		-		-	:- :-		-	-	-2
1 2 3 4 5 6 7 1 2	Stratford H Plaistow WHHH Canning Town H Forest Gate w East Ham wHH - Leyton WWWWH Walthamstow HHL - Chigwell, part of * HHHH Epping WH, part of * -	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	34 63 53 39 43 67 65	11 27 31 11 21 34 21 4	3 8 9 1 4 4 8	4 5 5 3 4 17 5 2 1	111111111		1 1	1 2 -	1 - 2	1 2	11111111	3 1 1 1 -	1 3 1 3 2 1	17 2 1	111,1111,11
1 2 3	Romford, part of WH — Illord — — — — — — — — — — — Barking Town, H — — Middlesex Co, Lunatic Asy., Wandsworth. London Co, Lunatic Asy., Cane Hill.	6,556 8,493 3,814	4,324 10,913 14,301	1 16 20 	5 5 4 1	1 3 -	1 2 -		11111			1		1 1 1 1 1	1. 2.	1 -	4	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,997); 135: 1, the parish of Northaw in field sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping p. 1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for the Outer Ring in 42: 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and
Rate of MORTALITY luring the week ending Saturday, 4th February, 1899.

	A	Population estimated	of MOB	L RATE TALITY Oliving,	DEATHS	Dea	The Dr	ATH	S regi		-	e We		lude	1 . 24	The state of
	GREATER LONDON.	n in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14,	from ALL CAUSES.	Infants under · 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Wkooping-	Fever,	Diarrhœa.	Violence.	Day of Secretary 10-1
1	Cols.	1 2.5	3.	4	5	6	7.	8	9.	10	11.	12.	13.	14.	15.	T
G	REATER-LONDON 443	,421 6,528,434	17.3	1.4	2165	438	644		28	10	46	64	15	11	86	5
+	INNER LONDON - 74 OUTER RING - 368	4,546,752 4,749 1,981,682	19 <sup>4</sup> 4 12 <sup>5</sup>	1.2 1.1	1690 475	330 -108	509 135	1 B 1	-22 6	8 2	32 14	50 -14	11 4	10	74 12	5

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692,845 square miles, which is equivalent the area of a circle having a radius of 14.851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

		and]	in certain	FOREIGN	CITIES.	11.	3 3	-		1 (1 1)	. 1	
	POPULATION		2 .	:	ANNUAL	DE	ATHS	FRO	M PRI DISEA	SES.	L ZYI	101
	(enumerated or estimated).	DATE OF RETURN.	BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosal
EDINBURGH GLASGOW - DUBLIN - CALCUTTA - BOMBAY - MADRAS - PARIS - BRUSSELS - AMSTERDAM ROTTERDAM THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW - BERLIN - HAMBURG - DRESDEN - BRESLAU - MUNICH - VIENNA - PRAGUE - BUDA-PESTH	298,927 7 783,903 349,594 466,460 821,764 452,518 2,511,629 551,011 512,758 306,439 196,325 345,000 283,550 203,337 1,132,677 988,610 1,805,054 675,351 388,300 406,012 445,000 1,606,629 380,497 666,722	February 4  " 4  December 17  January 17  December 23  January 28  " 21  " 21  " 28  " 21  " 21  " 28  " 21  " 28  " 21  " 28  " 21  " 28  " 21  " 28  " 21  " 28  " 21  " 21  " 28  " 21  " 28  " 21  " 21  " 28  " 21  " 21  " 28  " 21  " 21  " 28  " 21  " 21  " 28  " 21  " 21  " 28  " 21  " 21  " 28	153 469 216 - 201 - 1218 263 -297 -228 105 165 144 181 688 - 958 - 958 - 918 230 470	153 469 213 - 1199 - 870 179 157 99 73 129 133 90 599 554 639 230 - 212 172 689 185 328	26'6 33'2 31'8 - 75'9 - 18'0 17'0 16'0 16'7 19'3 19'5 24'4 23'0 27'6 29'2 18'5 17'7 - 27'2 20'1 22'3 25'3 25'6	ems	10 17 2 2 6 6 7 7 1 1 4 4 4	2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 5 2 5 5 2 5 5 2 5 5 5 2 5 5 5 2 5	12° 12° 17° 19° 13° 2° 1° 1° 3° 8° 8° 12° 3° 12° 12° 12° 12° 12° 12° 12° 12° 12° 12	11 25 3 - -	F4	
TRIESTE	- 165,913 - 500,610 - 344,203 - 169,883 - 570,062 - 319,766 -	- ,, - 21 - ,, - 7 - ,, - 10	280 - - -	207 - - - -	21.6	-		-	1	2	3§	
-New York (including BROOKLYN) PHILADELPHIA -	3,550,053 1,266,832	January 14	1753	1275 586	18 <sup>-</sup> 7	1 -	7	12	<b>30</b>	7	3 31	14

The Including deaths from croup.
The Including 308 deaths from plague.
Including 6 deaths from cholera.
Including 6 deaths from malarial fever.

	-			_																	
	Osone		0.5	8.0	0.0	0.0	0.0	0.0	0.0	0.1	26		sea; ns of bulb	the er is	The	bles.	and	eter.	sent,	tth;	
ina	whose receiving	surfaceis 5 inches above the Ground.	in. 0.16	0.05	0.00	0.00	0.00	0.00	0.00	Sum 0.18	25		The means of the sea :	wenty y 868 for momete	mn 8). m then	bservat mover	higher,"	ectrom	mouerage Instrument	of the w	
		Depar- ture from Average of 16 Years.	Miles.	- 29	-208	-186	-110	-203	- 148	Sum - 1028	24		an leve. P.M. T	g the trading 1	im and sir (colu leed fro:	grometi of theo izontal	cates",	ring El	Sunshine I	nning c	
Î	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	308	130	153	230	138	193	Sum 1345	23	idnight.	e the me sea level , and 9h. ometer,	de durin	maxim e of the s are dedu	her's Hy scussion at of hor	t + indi	f-registe	okes Sur	the beginn. by 10	
-		Mean of 24 Mourly of obs.	1bs.	0.5	0.0	0.0	0.1	<u>.</u>	6.0	:	1 27	to m	abovice to	ls ma enty f the	ratur	Glais madi nd th	of tha	's sel	negamve; umpbell-Sto	n. at 29.84	
	on the Foot.	Least. ho	lbs. 1	0.0	0.0	0.0	0.0	0.0	0.0		1	dnigh	59 feet o redu on; 31 bulb	record he tw	gs or tempe f hum	ers by edfro 1890, a	in min	omsor	lampt	29.98 sed to	
	Pressure on the Square Foot.	Great. Le	lbs. 11	67	0.0	0.3	2.2	9.0	4.5	:	12 0	m mi	ings t ings t M.; no dry	uphic ing t	the of gree of	nomet tderiv	orne	m Tho	the (	l from	
Osler's.	_	Gre								•	100	or fro	romet e read 9h. A. r, the	otogra d dui	tne i ily val	therr istha	l be b	ed fre	from	reasects; i	
IgO	General Direction,	P.M.	N. N.	NE NE	NENE L	W. NN	NE. & D	N.S. &	S. & SSE.	Z	19	civil day,	of the ba lied to th taken at parometer	of the phaeter, an	mean or mean da erature a	wet bulb of the air the 50 ye	24 it will e.	y is deriv	8, derived	neter dec	
	General ]	A.M.	NNE. &	NNE.	ENE ENE	SW. &	× ×	N. & NNW.	Variable & S.		18	The results apply to the civil day, or from midnight to midnight.	The height of the distern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 8h. A.M.; noon; 3h. P.M. and 9h. P.M. The means of the operatedings of the barometer, the dry bulb thermometer; and the west bulb the remomenter and converted into wet bulb.	deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is	Lorence, use corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value deemperature of the air (column 8). The mean daily dew point temperature and degree of inumidity are deduced from the mean	daily values of the day and wet bulb thermometers by distalers thygometrical Tables.  The average temperature of the air is that derived from a discussion of the observations and and the free may be able to the air is that derived from a discussion of the observations and all of the air is that derived from a discussion of the observations and all the from a discussion of the air is the day from a discussion of the or are considered.	In reading to the state of the	which cannot be determined. The recognition of the state	4. sirong and v. variable. The numbers in column 28, derived from the Cambell-Stokes Sunshine Instrument, show the agreement of bright sunshine on each day.	The reading of the barometer decreased from 29'98 in. at the beginning of the week to 29'71 in.) by 3h. ht. on February 18t increased to 29'84 in. by 10h. A.M. on the 4th; and decreased to 29'56 in by the end of the week.	
	Of the Earth	3 feet below the Surface.	43.32	43.09	43.10	42.92	42.79	42.20	42.18	42.85	17	esults ap	eight of sction ha vations -reading	from a 1873 for neters.	neters, f	rerage te Greenw	ding col	annot be	and vambers i	eading o in, by 3]	
	tion.	Lowest on the Grass.	33.1	29.1	25.1	27.8	26.3	50.6	16.5	25.5	16	The r	The h no corre Obser the eye	deduced ending thermor	thermor mean da	Theav	In rea - "lowe	which c	s. strong	The r to 29.27	
	Radiation,	Highest in Sun's Rays.	45.4	63.0	47.0	44.0	6.29	52.4	83.0	2.12	15		us rain Showery	e till	overcast	gloom	st in	frost in and hoar	ards.		
Jegree	midity (Satu-	ration equals 100).	92	85	06	7.9	76	28	_73	833	14	σά	2	g; flu			r frost	frost and ho	afterw		
		Least.	0.2	1.4	1.4	1.4	100	0.0	0.0	1.0	13	TARK	continuous 3h. P.M. Sho	ds.	ning;	it fog	Hoar	hoar.	reast a		
and Dew Point	perseur	Great.	0.60	2.2	4.6	9.8	13.4	4.2	12.2	8.5	12	C RED		y in r terwa	7 mon	; sligl	cloudy.	with	ove fog ir		
and D	Tem	Mean daily value.	0 03	4.5	2.5	5.9	2.9	3.5	2.2	4.6		GENERAL REMARKS	overcast; A.M. and midnight.	hower ast aft	n early morning : Slight fog at night.	ercast		cloudy with	dense		
Of the	ooint.	Mean daily value.	9.98	34.8	33.1	30.5	272	29.1	24.7	30.9	10	GEN	ully cape	and s		ully ov t till a	partially	ly cla	ngne. Il afte st and		
ol	1	parture from Average of vol 50 years.	8.0	8.0 -	- 4.2	3.3	- 5.8	- 7.4	9.2 -	- 4.3	- 6		Generally overcast; between 8h. A.M. and shortly before midnight,	Cloudy and showery in morning; fine till evening; overcast afterwards.	Variable afterwards.	Generally overcast; slight fog and prevalent till afternoon.	Fine; morning.	Partially cloudy with morning; fine afterwards.	Fine till afternoon; overcast afterwards. Hoar frost and dense fog in morning.		
2	-	Mean daily value.	38.9	39.0	35.6	36.4	33.6	32.3	32.2	35.5	0	Sun above Horizon, in hours.	6.8	0.6	1.6	9.1	6. 6.	٠. ن.	6.3	Sum 63.8	29
Of the Air.		Daily Range.	4.7	1.6	8.2	6.3	10.4	8.6	18.5	9.2	7	ed Sun 16 Hor 8, in h									
0	-	Low- est I	36.7	34.6	31.2	32.8	29.4	27.2	21.9	30.6	9	Registered Sunshine in hours.	0.0	1.2	0.0	0.0	2.3	0.5	3.7	Sum 7.4	28
	-	High-	0 41.4	43.7	39.0	39.1	39.8	37.3	40.4	40.1	2		KKK	H.H.H.	1 -	1	1	1	ĸ:		
Mean	reading (cor-		in. 29-824	29.731	29.491	29.281	29.375	29-708	29-750	29.284	4	Electricity. (For explanation of symbols, see Note.)	11 9h. 'A 1 1h. P 1 11h. P	111 11b. A noon; n P.M.; s.	us. roughou	P. generally	nerally	s. P. throughout	l IIh. A		27
Dhanns		Moon.	:	In	rduator.	:	:	Last	•		3	ELEC (For exp symbole	w. P. till 9h. A.M.; v. N. till 1h. P.M.; m. P. till 1h. P.M.;	v. N. till till 9b.	arrerwards, s. P. throughout	s, P, gel	s. P. generally	s. P. th	s. P. till 11h. A.M.; m. P. afterwards.		
		6	23	30	31	г	63	8	4	1	- u		29	30	31	-	67	ന	4		,
1899.		MONTH AND DAY	JANUARY SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. JANUARY.	SUNDAY -	MONDAY -	TUESDAY -	FEBRUARY. WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Ch1

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1899.

OFFICIAL COPY.

# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 6. 1899. Vol. LX.] WEEK ENDING SATURDAY, FEB. 11. [Price 1\frac{1}{2}d.

General Register Office, Somerset House, February 13th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 21.9 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

		Weeks	endin	g					Weeks	endin	g
Towns,	Jan. 21.	Jan. 28.	Feb.	Feb. 11.		Towns.		Jan. 21.	Jan. 28.	Feb.	Feb.
Huddersfield-	16·8 18·1 20·4 21·2 19·4 17·8 18·2 13·8 15·7 15·1 13·7 23·0 22·4 17·1	18·1 16·0 15·4 19·0 17·9 17·3 17·1 16·6 12·9 13·5 18·6 18·1 14·4 17·6	19·6 16·6 13·1	22·2 16·6 24·4 17·0 14·0 21·8 11·1 16·8		Leicester Liverpool London - Manchester - Newcastle-on-Ty Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea - West Ham -	rne	21·5 17·2 21·3 19·8 21·6 19·8 15·9 16·1 17·2 22·6 16·5 18·9 21·5	23·8 15·6 22·6 16·2 18·3 22·2 21·6	25·2 19·4 23·2 23·5 14·3 17·6 22·1 15·5 19·1 22·2 19·8 20·8 27·2	30·5 22·8 25·0 19·4 15·7 24·4 25·2 20·0 32·4 22·7
Leeds	16.6	16.6	18.8	20.9	MARKATA MARKATA	Wolverhampton	-	20.0	18.2	22.9	20.0

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1·0 in West Ham, 1·6 in Manchester, and 1·9 in Bolton; from scarlet fever, 1·1 in Sunderland; from whooping-cough, 1·1 in Halifax, 1·3 in Preston, 1·5 in Bristol, 1·8 in Sunderland, and 2·5 in Cardiff; and from "fever," 2·7 in Preston. In none of the thirty-three towns did the death-rate from diarrhæa reach 1·0 per 1000. The 111 deaths from diphtheria included 49 in London, 10 in Leeds, 8 in West Ham, 7 in Sheffield, 6 in Birmingham, 6 in Liverpool, 4 in Leicester, 3 in Cardiff, 3 in Swansea, and 3 in Manchester. No death from small-pox was registered in any of the thirty-three towns.

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

In LONDON\* 2802 BIRTHS and 1991 DEATHS were registered. Allowing for increase of population, the births were 111 below, and the deaths 198 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.2, 15.8, and 19.4 in the preceding three weeks, further rose last week to 22.8. During the four weeks ending on Saturday last the death-rate averaged 18.8 per 1000, being 3.9 per 1000 below the mean rate in the corresponding periods of the ten years 1889-98.

The 1991 deaths included 21 from measles, 7 from scarlet fever, 49 from diphtheria, 45 from whooping-cough, 20 from enteric fever, 15 from diarrhee and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 157 deaths were referred to these diseases, being 25 below the corrected

average weekly number.

The deaths from measles, which had been 30, 21, and 22 in the preceding three weeks, were 21 last week, the corrected average being 38; 4 cases belonged to St. Pancras and 4 to Islington sanitary areas. The deaths from scarlet fever, which had been 8, 12, and 8 in the preceding three weeks, were 7 last week, the corrected average being 17. The deaths from diphtheria, which had been 30, 31, and 32 in the preceding three weeks, further rose last week to 49, and were 8 above the corrected average; 6 cases belonged to Hackney, 5 to Lambeth, 4 to St. Saviour Southwark, 3 to Fulham, 3 to Bermondsey, 3 to Battersea, and 3 to Wandsworth sanitary areas. The deaths from whoopingcough, which had been 40, 36, and 50 in the preceding three weeks, fell again last week to 45, and were 18 below the corrected average; 9 cases belonged to Newington and 8 to Islington sanitary areas. The fatal cases of *enteric fever*, which had been 16, 15, and 10 in the preceding three weeks, rose again last week to 20, and were 13 above the corrected average; 4 cases belonged to Camberwell, 3 to Mile End Old Town, and 2 to Greenwich sanitary areas. The deaths from diarrhea, which had been 10, 8, and 10 in the preceding three weeks, further rose last week to 15, and were equal to the corrected average. The deaths referred to diseases of the respiratory organs, which had been 295, 266, and 348 in the preceding three weeks, further rose last week to 481, and were 19 above the corrected average. The deaths attributed directly to influenza numbered 50, having been 20, 21, and 22 in the preceding three weeks.

Different forms of violence caused 69 deaths, concerning all but 2 of which inquests were held. Of these 69 deaths, 4 were cases of suicide, and 4 of homicide, while the remaining 61 were attributed to accident or negligence. Three of these were referred to vehicles in the streets, 11 to burns and scalds, and 14 (of infants under one year of age) to suffocation

in bed.

# CASES OF INFECTIOUS SICKNESS IN HOSPITALST.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2642 cases of scarlet fever, 1378 of diphtheria, and 228 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 253 cases, against 249, 220, and 265; of diphtheria, 177 cases, against 178, 189, and 184; and of enteric fever, 42 cases, against 35, 29, and 13.

<sup>\*</sup>Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous

## GREATER LONDON.

In Greater London 3868 births and 2556 deaths were registered, corresponding to annual rates of 30.9 and 20.4 per 1000 of the estimated population. In the Outer Ring 9 deaths from measles, 4 from scarlet fever, 22 from diphtheria, 17 from whooping-cough, 2 from "fever," and 3 from diarrheea were registered. Seven deaths from measles and 13 from diphtheria occurred in West Ham district; 8 deaths from whooping cough occurred in Edmonton district.

## METEÓROLOGY.

The mean reading of the Barometer last week at Greenwich was  $29^{\circ}37$  inches, and that of the Thermometer  $47^{\circ}4$ ; the latter being  $8^{\circ}3^{\circ}$  above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 39 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was  $10^{\circ}5$  hours; the measured rainfall amounted to  $1^{\circ}19$  inches.

#### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of January 1899. The supply was in the ratio of 218 gallons to one service.

Companies.	Number o	f Services.		ly of Water llons.
	JANUARY,	JANUARY,	JANUARY,	JANUARY,
	1898.	1899.	1898.	1899.
TOTAL SUPPLY	853,772	873,232	195,003,649	190,656,318
From Thames From Lea and from other Sources -	410,995	419,090	103,255,507	102,262,322
	442,777	454,142	91,748,142	88,393,996
THAMES.  Chelsea	37,820	38,105	10,954,100	11,353,885
	81,843	83,390	19,915,704	19,808,304
	121,184	122,278	31,766,695	30,325,491
	61,917	63,596	19,107,079	18,128,158
	108,231	111,721	21,511,929	22,646,484
LEA AND OTHER SOURCES.  New River	163,346	165,683	33,733,359	33,528,557
	192,839	198,464	43,101,536	38,684,379
	86,592	89,995	14,913,247	16,181,060

Note.—The Return for January 1899, as compared with that for the corresponding month of 1898 shows an increase of 19,460 services and a decrease of 4,347,331 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JANUARY, 1899.

Water-analysis Laboratory, The Yews, Reigate
4th February, 1899.

SIR.

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of January.

These examinations include (a) the bacterioscopic and chemical condition of the raw river

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing mains.

I append, also, the results obtained in the analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

# Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

or I	COMPANIES OCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
		`									
Mark Commercial Commer	THAMES.	January 6th, Grand Junction Co.'s intake at Hampton.	5:1	35.64	·466	.069	.009	*329	.405	1.7	22.1
	Chelsea	{ January 11th, Cab Rank, Horse Guards, Whitehall. }	6.8	32.86	*312	.033	0	311	·344	1.7	21.2
MA ACCORDING TO THE PERSON NAMED IN COLUMN 1	West Middlesex -	$\left\{ \begin{matrix} \text{January 11th,} \\ \text{Cab Rank,Riding House-} \\ \text{street.} \end{matrix} \right\}$	8.0	32.64	.187	.023	0	*304	·327	1.7	20.9
	Southwark	{ January 11th, Cab Rauk, St. George's Church, Borough. }	7:0	32.24	*333	*039	0	*323	*362	1.7	20.6
	Grand Junction -	{ January 11th, Cab Rank, Portmanstreet, Oxford-street. }	7:1	32.80	*309	.032	0	.309	·345	1.7	21.2
Inner Circle.	Lambeth	January 11th, Cab Rank, St. George's- road, Southwark.	6.9	32'72	-291	·038	0	· <b>2</b> 90	·3 <b>2</b> 8	1.6	20.9
Inne	LEA. (Unfiltered water) -	January 9th, New River Out at Green Lanes.	72	36.92	157	·015	.006	·364	·381	1.7	23.0
THE PERSON NAMED IN COLUMN NAM	New River	{ Cab Rank, Tottenham } Court-road.	6.9	35*44	.086	.011	0	.330	.331	1.7	22.1
X 1077 X 1070 X	(Unfiltered water) -	January 9th, E. London Co.'s intake at Angel-road.	6.0	41.56	·307	*044	.018	·426	:485	2.0	26.9
	East London	January 11th, Cab Rank, Sidney-street, E.	6.3	40.46	-272	*028	0	.456	·484	2.1	26.3
	DEEP WELLS.	January 11th, Police Station, Blackheath-road.	11.7	40.10	.041	·005	0	*452	*457	2.0	26°6
Outer Circle.	East London	{ January 20th, Chingford Well. }	and the state of t	29.20	.071	.011	*022	trace	•029	1.8	16:3
	poration of Birming-	January 18th, 15, Court Benacre Street.	5*6	30:40	*350	.040	.002	200	-242	1.8	18.0
Cor	poration of Glasgowt	{ January 16th, Loch Katrine water. }	5*3	3.00	.172	.019	0	.006	.025	.8	1.3
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.

<sup>\*</sup> Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 6th January at waters. The Hadie is to be read thus. The Phanies water confected on the ban January at the Grand Junction Company's intake at Hampton had a temperature of 5 °1° C.; 100,000 lbs. of it contained 35 °64 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained 466 lb. of carbon and 069 lb. of nitrogen. The above quantity of water also contained '009 lb. of ammonia and '329 lb. of nitrogen in the form of quantity of water also contained '909 fb. of ammonia and '329 fb. of introgen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '405 lb. The above weight of water also contained 1.7 lb. of chlorine, and 22 ft lbs. of carbonate of lime, or an equivalent amount of other hardening or soap-destroying ingredients. The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

<sup>†</sup> Analysed by Dr. E.J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, was:—Kent 6.8, East London (deep well) 1.4, New River 1.7, West Middlesex 3.6, East London (river supply) 5.1, Lambeth 5.6, Grand Junction 5.8, Chelsea 5.9, and Southwark 6.3. The unfiltered waters contained the following proportions:—Thames at Hampton 9.0, New

River Cut 2.9, and Lea at Angel Road 6.0.

The Thames at Hampton was, on January 6th, turbid and deep yellow in colour; it was of very bad chemical and bacterial quality. The water supplied by the five Companies drawing from this river was, in every case, efficiently filtered before delivery; but, with one exception (that delivered by the West Middlesex Co.), contained an excess of vegetable organic matter, whilst the Southwark, Grand Junction, and Lambeth Companies delivered water containing an excess of microbes above the standard of 100 per cubic centimetre. The bacterial improvement effected by the Thames Companies is expressed by the following percentage numbers:—Chelsea 99.86, West Middlesex 99.79, Southwark (general supply) 98.63, Grand Junction (general well at Hampton) 9947, (general well at Kew) 9892, and Lambeth

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was, on January 9th, turbid and very pale yellow in colour. It was of good chemical but indifferent bacterial quality. After efficient filtration, it was delivered in excellent chemical and bacterial condition, the bacterial improvement being 98:55 per cent.

The water drawn from the Lea at Angel Road by the East London Company was, on January 9th, turbid and pale yellow in colour. It was of bad quality, both chemically and basterially; but, after efficient filtration, was delivered in good chemical condition, though containing an excess of vegetable organic matter. Bacterially, however, it infringed considerably the standard of 100 microbes per cubic centimetre. The bacterial improvement is expressed by the following percentage numbers: -No. 1 Essex well 97:53, and Middlesex well 96.53.

The deep well water of the Kent and East London Companies was clear and bright without

filtration, and possessed a high degree of organic purity.

Seen through a stratum two feet deep, the Kent and East London (deep well) Companies' water was clear and colourless, the New River clear and nearly colourless, the West Midulesex and East London (river supply) clear and very pale yellow, and the remaining waters clear and pale yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the illered supplies delivered by the various Companies, collected on the 6th, 7th, 9th, and 11th of January, yielded, after prolonged incubation, the results contained in the following Table :-

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, January 6th, 1899  " after storage by Chelsea Company, January 6th  " by West Middlesex Company, January 7th  Grand Junction Company's water at Kew Bridge, passing to filters, January 7th  New River Cut before passing through reservoirs, January 9th  " after  " after storage by East London Company, January 9th  "	34,000 3,660 1,840 7,980 3,240 3,020 16,500 12,400	51 544 49 49 79 60 56
THAMES.  Chelsea Company's general filter well, January 6th - West Middlesex Company's general filter well, January 7th - Southwark Company's tap on filtered water main at Hampton works, January 6th Grand Junction Company's general filter well at Hampton, January 6th - Lambeth Company's general filter well, January 6th -	48 70 466 180 388 178	4.9 4.0 5.4 4.5 5.2 5.0
LEA.  New River Company's general filter well, January 9th  East London Company's No. 1 Essex filters, January 9th  " " Middlesex " "	47 408 572	6·0 6·3 5·5
DEEP-WELL.  Kent Company's "New Well" at Deptford, January 11th	. 3	11:3

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied to that City was "very slightly turbid and yellowish green in a two-foot tube." Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on the 16th of January, "light brown in colour, and contained a little suspended matter."

I am, &c.,

E. FRANKLAND.

The Registrar-General, &c., &c.

	CITIES	AND BOROUGHS.	Cols.	33 TOWNS.	Town	WEST HAM.	CROYDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF. SWANSEA	WOITWENTANTOW	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	BURNERY	BLACKBURN.	PRESTON.	HUDDERSKIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.	
PAT.T.		In Centi- metres.	24.	3.17	9.09	1 1	4.44	4.14	4.06	1	5.03	1 1	2.61	100	1.60	1	1.93	1	1	1.83	ı	ī	] 1	1	. 1	1	3.58	I	3.48	ı	1	3.T	1 1	1	
BAINEALL		In Inches.	23.	1.25	1.10	1	1.75	1.63	1.60	1	1.98	1 1	1.40	77.7	0.630	000	92.0		ı	0.72	1	1	1	1	1	1	1.41	ŧ	1.37	1	1	99.0	1 1	1	
AIR.		Centigrade.	22.	6.94	20.00	0 1	90.8	8.58	8.72	1	7.61	1 1	1.70	2 1	7*28	1	5.72	1	1	68.9	ı	1	1 1	1	1	1	5.83	1	5.33	1	1 8	68.9	1 1	1	
OFTHE	Mean.	Fahrenheit.	21.	44.5	17.7	H	46.5	46.9	47.7	ı	45.7	1 1	2.01	-	45.1	1	42.3	1	1	44.4	1	1	1 1	1	ł	1	42.2	ŀ	9.17	1	1 5	43.5	1 1	ı	
ATURE		Lowest.	20.	25.4	22.2	3 1	34.0	0.88	35.5	1	0.67	1 1	0.70	1 1	25.4	1	25.6	1	1	32.7	ı	1	1 1	1	1	1	30.0	ı	31.4	ı	1 3	0.62	1 1	1	
TRUPERATURE OF THE AIR		Fahrenheit.	19.	63.9	63.0		62.2		28.0	1	9.89	1 1	10.00	0 1	63.6	2 1	0.19	1	1	58.3	1	ı	1 1	ı	1	1	8 29	t	53.6	ł		0.19	1 1		
	e eaths	From Diseases in Cols, 6–12.	18.	1.8	0.	in F	80	8.0	1.4	0.0	1.0	90 67 44 10	9.0	o ic	. F	.C.T	2.0	1.0	6.0	1.7	3.5	2.9	F.1	6.0	1.2	4.4	1.0	2.1	2.0	2.0	1.7	E	3. C.	111	
Annual Rate per 1000,	to the Week's Deaths	IIA morg Sanses.	17.	6.12	866	16.3	15:1	14.0	50.0	20.5	21.8	25.1 15.2 15.1	0.0%	22.2	1.91	16.3	24.4	20.1	19.5	30.2	24.4	25.0	0.27	11.1	16.6	32.4	1.91	20.3	0.21	50.6	19.6	7.91	18.1	19.4	
		Uncertified Causes of Dear	16.	2.2	LC	က	1	_	6.1	ı	1 0	о <del>П</del>	1	10		c7	1	1	1	34	1 1	۵.	1	1	ro	က	-	1	1 -	<b>-</b>	თ -		- I	1	
	1	Deaths in Public Aubitons	15.	1076	599	10	11	9	13	61 j	1 K	- 60	F	46	en	14	20	4	10	93	-	57	14	4	5	9	П	L-	00 8	253	87 2	27 7	T-	12	return
		Inquest Cases.	14.	403	178	7	4	0.1	က	;	91	D 03	2	18	60	10	9	63	9	30	<u>-</u>	18	10	67	4	67	ന	1	7	57	0	א מ	4 63	10	this ;
ade	_	Violence.	13.	188	69	4	က	-	1	ı	~ G	4 1	1	13	1	ಣ	ଦୀ	-	ଦୀ	23	1	90 12	. 4	H	4	1	63	1	n 9	97	4 c	0 6	J 1	ಣ	See note * on first page of this return.
ek incl		Diarrhoss.	13.	33	121	67	1	ı	1	1 "		1 1	1	4	1	1	ଦୀ	1	1	Н	- 0	27 -	٠,	-	ı		1	i	1 "	7	1		1	-	rst ps
The DEATHS registered in the Week include		Fever.	ri l	49	20	_	1	ı	H	1 '6	· ·	1 1	I	4	1	П	1	1	1	C.I	1 (	n -	- I	1	1	9	1		1 <	21 0	.77 -		- I	1	on fi
red in	from	-gaigood W cough-	10.	114	45	-	-	-	ı	1 0	- c	o =	ı	7	ı	-	ಣ	1	0.3	1	ca .	4 0	1 01	1	-	က	H	्य ।	7 -	٦.		H 10	э <del>н</del>	C/3	note,
registe	Deaths from	Diphtherla.	.6	111	49	∞	Ţ	7	67	1	1 0	n en	_	9	) [	4	1	1	1	9	7	ء دو	1,0	-	1	. 1	1	ı	1 0	70	,	1	1 1	1	See
EATHS	H	Scarlet Fever.	œ	80	7	্ব	1	1	1 1			1 1	ı	ı	ı	ı	1	1	1	2	,		N 1	1	ı	ı	Н		1 .	<b>-</b>	-71	1 6	۱ د	П	* 1
The D		Messles	7.	89	61	9	1	1	c <sub>1</sub>	ı	1		1	1	1	1	ಣ	Н	1	1	9 1	17	٦ -	1	ा	1	1	1	C7 1	<u> </u>	1 -	٦ 6	a 1	-	
		small-pox,	9	ı	ı	1	1	1	1	1		1 1	1	1	1	1	1	1	1	1	ı	ı	! !	1	1	1	ı	1	1	1	1	1	1 1	1	
	ths of	Persons aged 60 Years and upwards.	5,	1329	290	26	15	13	23	D 2	# 1	~ ~	10	99	17	18	27	6	6	65	17	0.0	2 2	∞.	00	12	2	9	22 3	40	30 C	9 =	19	য়	311
	Deat	Infants under 1 Year of 1986.	4.	1048	430	21	11	∞	9 '	ري د	3 5	13	00	54	2	17	53	10	12	88	15	10	22		13	19	7	20	7 5	90	07 6	16	6	20	
d during	nary 1899.	DEATHS.	æ3	4797	1661	94	37	33	73	19.4	#61 60	9 44	34	219	34	29	112	41	43	371	92	797	73	24	43	73	32	000 1	1.7.	190	007	3,00	37	85	
Registered during	11th Febru	BIRTHS,	21	6730	2802	159	22	69		7.0	14.7	59	64	313	89	120	131	22	59	422	980	357	202	44	64	18	45	36	900	590	175	8	85	121	1.7 1.7 2.4 481
	POPULATION	to the middle of the Year 1899.*	1,	11,404,408	4,546,752	300,241	127,759	123,226	190,741	759,001	118,026	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	938 944	150,772	113,081	135,154	117,622	103,464	97,721	236,241	423,388	927,106	145,613	106,552	228,625	10000000000000000000000000000000000000
			Cois.	1	ı	1	1	t	ŧ	i	1 1	1	TON	ı	1	1	1	ŧ	1	1	1	1 1	- 1	1	1	1	- Q	1	1	1	1	1 1	- 1	1	* * * * * * * * * * * * * * * * * * *
	CILIES	AND BOROUGHS,	D	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	CAPDIER	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL -	BOLTON	SALFORD	Огрнам -	BURNLEY -	BLACKBURN-	PRESTON -	HUDDERSFIELD	HALIFAX -	T.T.T.	-	HILL -	Æ	GATESHEAD -	NEWCASTLE -	The state of the s

TABLE 2. LONDON. -Births and Deaths Registered in the SIXTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2772	2707	2814	2651	2884	2709	2736	2656	2917	2843	2913*2	2802
	1433	1373	1371	1356	1468	1408	1381	1370	1490	1488	1487*5	1408
	1339	1334	1443	1295	1416	1301	1355	128†	1427	1355	1425*7	1394
TOTAL <b>D</b> eaths -	1460	1749	1673	2010	1579	1532	1768	1762	1588	1922	1793·1	1991
	721	88 i	880	992	757	781	880	936	816	954	905·1	989
	739	863	793	1018	822	751	888	826	772	968	868·0	1002

<sup>\*</sup>The numbers in this column are the average weekly numbers in the sixth week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

B	AND DESCRIPTION OF THE PARTY OF	WOOTH SHEET PROPERTY.	-	THE STREET STREET	MATERIAL PROPERTY.		-		ale: scottstayoretire			-	
	Nov. 19.	Nov. 26.	Dec.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.	Feb.
TOTAL Births	2585	2155	2575	2577	2519	2422	2215	2893	2435	2811	2686	2696	2802
TOTAL Deaths	1436	1439	1569	1447	1423	1470	1593	1666	1568	1503	13811	1690	1991
$ \begin{cases}                                   $	310 171 98 197 305 286 69	320 157 95 198 237 302 80	362 203 78 190 297 349 90	289 166 77 196 320 331 68	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 253 399 471 119
Deaths from—  Small pox	19 12 44 14 -28 -16	24 7 38 16 - 33 - 6	25 9 43 28 - 21 - 17	22 11 43 22 1 26 -	31 6 40 26 19 13	24 14 46 21 - 21 - 19	31 12 47 32 - 15 1 14 -	27 11 30 41 - 17 - 13	27 8 34 37 - 10 - 11	30 8 30 40 - 16 -	21 12 31 36 - 15 - 8	22 8 32 50 1 10	21 7 49 45 - 20 - 15
All the above Diseases -	133	125	143	144	135	145	152	139	127	134	123	133	157
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence—Inquest Cases—Deaths in Public Institutions—	285 183 125 67 137 468	280 148 145 66 139 473	340 161 145 76 179 446	295 156 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 188 165 74 152 539	481 192 194 69 178 592
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	48.0 52.5 43.1	41.7 45.2 37.3	44·1 47·6 39·5	49·4 52·7 45·1	48.0 51.9 43.0	40·1 45·3 34·6	43:3 48:1 36:8	42.0 46.9 36.2	45.0 50.7 39.8	47·4 51·9 41·9	38·2 43·2 33·7	35.5 40.1 30.6	47:4 51:7 42:7
Humidity of the Air	89	90	85	83	83	80	84	87	83	84	80	83-	83
Rain-fall (in inches)	0.03	1.88	0.26	1.31	0.00	0.03	0.81	0.24	1.03	1.00	0.08	0.18	1:19
Registered Sunshine (in hours)	10.7	7.0	5.6	6.7	0.8	12.9	14.0	5.6	20.3	3.3	35.8	7.4	10.5
CASES OF INFECT	TOUS	SICKN	ESS IN	Hose	PITALS	* AT 7	HE E	ND OF	EACH	WEE	K.		
Snull-pox	3253 1251 252	3162 1250 266	3142 1274 286	3030 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	2777 1257 250	1 2749 1304 243	2679 1368 249	2665 1377 229	2642 1378 228

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. 'reston, Esq., F.R. Met. Soc., Norwich: John Merrifield, Esq., LLD. Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson. Esq., Wrottedey Wolverhampton: Arthur Brown. Esq., M.Inst. C.E. and P. 3 obbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON, -DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4. SIXTH Week of the Year 1899.

	the	02	In	the ay, 1	Wee	k en Febi	ding	y y 189	9.		the	Sa	I:	n the	e We	eek e Feb	ndin	g y 189	19.
	the 10		Des	ths	of P	erson	ns of	£	00000		ges for the 10 8*.		De	ath	s of the	Perso Ages	ons o	f	
SES OF DEATH	Averages sek of the 1889-98*.	ss.	U	nder 20.		under 40.	under 60.	under 80.	and s.	CAUSES OF DEATH	Averages ek of the 1859-98*,	ES.		Jnde 20.	er	under 40.	under 60.	under 80.	and ls.
	Corrected 6th Week	ALL AGES	0-1	1-5.	5-20.	20 and un	40 and un	and	S0 years upwards,		Corrected 6th Week	ALL AGES	0-1,	1-5.	5-20.	20 and un	40 and un	and	8C years
ISES	1793.1	1991	430	210	109	253	399	471	119	Diseases of Circulatory System	154.9	194	2	2	12	24	62	80	12
Vaccinated - Unvaccinated No Statement	- 0·3 0·3 38·2 17·4 0·2	21 7	5	- - 16 2	_		11111	-	1111	Croup	6.8 282.2 134.6 5.7 32.2	275 152 153 45	51	3 2	1 4 7	14 12 1 4	40 30 3	20	-
ng Fever	42:1 62:7 41:1 0:2 6:5 0:1 14:6	50 45 49 - 20 - 15	3 21 5 - 1 - 10	1 - 3	1 14 - 7 -	10	1 -	17 1	2 - 1	Dentition	11.7 0.7 12.5 5.7 25.5 29.7	10 25 4 36 41	18	ī	1 1 - -l	$\begin{bmatrix} 1\\1\\3\\7 \end{bmatrix}$	3 19		-
ent Fever	0·1 0·1 0·2 10·7 4·9	1 - 1 95	- - - 5 2		111111	- 1	- 2 -	- - 1 3	1 1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	2.3	C. C	-		1	-	1	_	
a and Septicæmia ral Fever – – Zymotic Diseases	2·2 5·1 2·0	1 1 1	1 - -		-	1		- 1	-	Diseases of Urinary System	48.1	63		1	3	9	29	21	-
and other Para-)	0.8	1	1	-	-	-		-	-	Diseases of Generative System Accidents of Childbirth-	5·1 4·9	5	- -			1 5	3	-	1
l Diseases - 5										Diseases of Locomotive System	6.4	6	1	_	2	2	1	-	-
ion, Want of } t-milk   ism	<b>2·3</b> 9·8	- 14	-	-	-	3	10	1	-	Diseases of Integumen- tary System }	6.2	6	- 10			-	1	3	-
atic Fever, matism of Heart } atism i desenterica ular Meningitis - s Tonstitutional ses	7:2 1:5 3:1 5:4 69:8 18:2 22:3 177:4 18:0 12:3	14 4 3 6 97 14 26 192 25 16	- 2 11 7 18 3	- - 3 - 2 12 6 4	1 7 13	-	1 43 - 61 2	2 3 3 40 - 17	5 - 1	VIOLENT DEATHS:  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Scalds, Explosions -	>57*9 <b>\</b>	NO R R R 1	Speed on American Commission Comm	5	1 - 4	1 1	3		
ure Birth asis	48.7 4.2 8.3 52.4	63 4 8 81	63 4 8 -	-	-			33	48	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes -		14 14 1 26	11 - 4	-	-	1 5	6	8	1
xy	45°2 9°0. 42°0 87°4	55 11 44 84	41 12	1 2 8	1	-1	1.8 2 - 12	3	4 - 5	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.6 8.3 0.1	The Table	The sale and the second		11.	1 -	-1	1	1
es of Organs of al Sense	3.5	2		1	1	-	-		-	OTHER CAUSES -	51.8	51	5(	3	-	-	-	1	-

e numbers in this column are the average weekly deaths for the ten your constitution, ulation, y those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered I men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." sevidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of nt, murder manslaughter or suicide. All such cases are classed under "accident."

Table 5. LONDON.\*—Population; Births; Deaths from all Causes, and from Small-pox, Measles Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each

SUB-DISTRICT during the We		1		T				-		gister	red di	iring	the W	eek i	nelud	le		
,	Enume-			Dea	thsof	1				Deatl							ions,	of
REGISTRATION SUB-DISTRICTS.	rated Population, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Soarlet Fever.	Diphtheria.	Whooping-cough,	Typhus,	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhoes.	Violence,	Inquest Cases.	Deathsin PublicInstitutions	Uncertified Causes
LONDON	4,411,710	2802	1991	430	590	- 02	21	7	49	45	-	20	-	15	69	178		15
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	431 604 158 596 1013	352 465 128 311 704 31	70 84 29 84 163	119 148 34 78 198	11111	1 8 3 -	1 1 - 4 1	6 14 1 - 28	7 13 1 5 19		3 1 2 4 10	-	1 4 6 -	15 14 9 11 20	32 43 16 42 45	125 125 39 111 161 31	14
WEST DISTRICTS.  St. Mary Paddington $G$ & W. $WHH$ St. John Paddington $H$ G.	90,996 33,510	55 6 61	43 15 66	14 1 11	12 6 31	1 1	-	1 1 1		4	<i>₹</i>	1 1		1	2 -	3 -	8 5	
Kensington Town $Ww - W$ . Brompton $HH - W$ . C. St. Peter Hammersmith - W. St. Paul Hammersmith $HH$ . & G.	122,164 48,301 9,097 25,102	10 5 68	11 7 40	1 14	4 2 11		1 1 1	-		1 - 1	1 1 1		1 1/2 1 1		1 - 3 2	1 5	33 5	1 1 1
Fulham $Ww W. & C.$ Chelsea Kensal Town - C.  Chelsea North $WHHHHH - C.$ Chelsea South $HH - C.$	21,450 42,057 33,139	103 11 23 21	47 4 25 9	11 2 3 2	9 2 10 3	-	-	1	6		1 1 1	1	1 1 1	1 1 1	1	2 -	22	4 4 4 8
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	6 23 19 6	21 28 15 10	1 6 -	10 10 3 2				-	1 -		2		1111	2 3 - 1	3 6 3 1	17 11 2 7	1
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N.	23,050 12,048	7	4 7	1 2	2 2	-	1	-	-	-	-	7.1 4		-		-	1 -	1. 1
NORTH DISTRICTS.  All Souls Marylebone	36,595 19,798 19,637 32,547 32,611	12 9 40 23 13	18 9 7 9 15	- 4 1 3	6 3 4 6		-		1	- - - 1	1 1 1 1 1	1 - - -		- 1	1 - - 1	3 1 1	9 2 2	- 4
$\left.\begin{array}{c} \text{Hampstead} \\ \overline{WwHHHH} \end{array}\right\} - \text{N. \& W.}$	75,449	22	25	-	8	-	-	-	2	-	-	-	-	-	2	2	6	-
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	14 14 21 20 10 56	14 18 13 12 10 54	2 5 4 4 1 10	6 5 2 3 5 16		1 - 1 - 2	1 1 1 1 1 1	- - - 1	1 - 2	1 1 1 1 1				1 2	2 1 3 2 4	10 3 2 6 13	
Upper Holloway   N.  Islington South-east N.  Highbury HH N.	98,273 107,365 66,549 64,577	63 66 37 40	85 43 25 17	12 10 5 4	26 12 10 5	*	2 2 -	1 1 1 1		2 3 2 1	-	-	1 1 1	1	3 - 1 1	5-4-1-2	43	
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$ \begin{array}{c} 18 \\ 22 \\ 23 \\ 40 \\ 41 \end{array} $	2 18 21 19 31	1 1 4 2 8	1 11 2 3 11			1	9	1	-		1 1 1 1 1	11111	2	1 5 5	1 - 11 4 13	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers are received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The R man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. East London; and K. the Kent Company.

Seenote \* on second page of this Return

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHOBA, VIOLENCE &c., registered in each UB-DISTRICT during the Week ending Saturday, 11th February, 1899—continued.

B-DISTRICT during the Wee	ek ending	Satu	rday,	llth	Feb	rua	ry,	1899	co	ntin	rued	<i>l</i> .						
							The	DEA	THS	egist	ered (	durin	g the	Week	inelu	de		
	Enume-			Deat					]	Death	s fro	m					tutions	jo 1
GISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	TotalBIRTHS.	Total DEATHS	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Smarl-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever,	Simple Continued Fever.	Diarrhea.	Violence	LaquestCases.	Deaths in Public Institutions	Uncertified Causes Death.
CENTRAL DISTRICTS.																		
eorge Bloomsbury N. iles South $WH$ N. iles North $H$ N.	16,110 12,976 9,151	20 5	5 6 2	ī -	4 1 -		ī -	1	1 1 1	1 1 1	-			-	1 -	1 -		
artin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 +1,037	34	8 14 -	1 2 ~	1 1 -					1 1 1	-	-	-	-	1 2 -	2 -	5 7 -	
orn wHHHHHHHH - N. mes Clerkenwell - N. rell Clerkenwell - N. rell-street N. road HHHHL - N. ceross-street - N. cury - N. component Union Workhouse, tcham - Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	16 20 24 10 35 8 1	25 5 16 8 14 4 1	9 3 4 1 4 2	8 1 5 4 1 1 1 2	1 1 1 1 1 1 1 1	1,11111		1	1 - 1		2		1111111	1 -	3 2 2 - 2	12 - 1 - 2	
otolph $H$ N. & E, rlegate N. & E, epulchre $WH$ N. Allows Barking N. d $Street$ $H$ N. of $London\ Asylum$ , $Stone$ N.	6,870 3,299 9,591 9,059 2,892 †388	ಹಾಗವಬ 1 1	1 4 12 1 . 70	121-11-	1 1 1 -	11111	11111		11111	1 1 1 1 1		-	1 1 1 1 1	11111	- 1 1	1 1 -	12	11111
EAST DISTRICTS.																		
editch South $Hl$ - E. & N. ton New Town $w$ - N. ton Old Town - N. & E.	17,975 29,575 27,645 47,163	13 21 18 40	4 13 8 30	2 1 1 7	1 7 4 9		- - 1		1111	- 1			1 1 1	1 1 1 1	1 1 1 1	1 2 1 2	8 14	1,111
nal Green North $H$ - E, nal Green South E, nal Green East $WHl$ - E.	49,301 34,194 45,667	46 28 32	10 10 28	4 4 5	1 2 10		2 -	1 1 1						1 1 1	1	1 2 4	17	
alfields E. & N. End New Town* $WH$ - E. $lman$ 's Fields* E.	26,681 } 51,995 {	32 25 16	7 37 5	1 6 3	2 5 2		-7.		111			3 -			1	2 -	29 7	
eorge's North E. bhn, St. George East W E.	39,576 7,930	37 6	12 12	7 -	2 5		120	-	-	1 -	-	-		-	1 -	3 2	8	
	10,434 14,954 32,917	4 16 32	- 8 2 9	4 1 2	1 1 1	-	ī.				-	-		1 -	- 1	$\frac{1}{4}$	4 -	
End Old Town West $H$ E. End Old Town East $Wvw$ - E.	} 111,060	{ 59 47	18 28	9	2 10	-	1 -		1.1	-	-	1	-	-	1 2	3 3	8	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	32 44 48	13 37 20	5 8 5	277		1 2	1 1 1	111	1 1 1	-		1.1.1.	1	21	3 6	1 20 2	

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEAS SCARLET FEVER. DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 11th February, 1899—continued.

						***	The	DEAT	HS re	gister	red di	uring	the W	eek i	nelud	e.	200
	Enume-			Deat	hsof				Ľ	eaths	fron	n ·					dons.
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria	Whooping-cough	Typhus.	Enteric (or typhoid)	Simple Continued	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions
SOUTH DISTRICTS.		70° MC no. o de no de la confidenciamento.					The state of the s					Arrenten Lance in the Co.	B				. /
Christchurch Southwark W.H&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	885955 1595 1582	8 2 17 12 9 4 30 14	17.3522253	1 5 2 5 7 5		1		1	1 3 1 6 1	3111111	11111	1111111		1	2	7
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	5 68 16	22 45 21	4 15 5	5 10 4		-	-	2	- 2	1 -	ī	-	2		5	15 3 6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	40 9 44 36 16 35 15	13 16 36 27 17 39 4	7 4 4 10 3 7	1 15 6 7 10 1		- - 1	2	5	1 -	1 1 1 1 1 1 1	1			5 3 1	1 6 3 - 1 1 1	1 10 24 1 - 8
	71,730 93,385 46,953 58,101 20,566 61,644	48 66 14 42 10 39	19 37 13 14 13 18	593424	6 12 3 4 7 5	1 1 1 1 1	-	1	2 2		11111	- 1 -		ī - -	- - 2 1	1 3 1 3 2 1	811
Dulwich L. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 44 68 44	1 45 22 17	- 8 7 5	19 6 2			1 1 1	-	1		1 -	, 1 1 1 ,	-	- 1	1 2 2	22
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	30 43 11 15 19	21 24 5 10 26	7 8 - 1 3	77 3 4 7	1111			1	-	-	2 - 2	-	1	1 - 1	1 3 - 2 1	- 3 - 1 16
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	4 9 22 17	1 2 24 13	1 -	- 1 5 6	1111		- 1 -	- 9 -	1 1.	1 1 1	- 1	-			1 1 1 1	1 16 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	8 9 15 6 21	7 7 12 2 15	1 36 1 3	- 21314	-	1 -	1   1   1	1	1111		11111		1	- - 1	1 1	4 7
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum London County Asylum, Dartford Heath Colney Hatch Asylum Colney Hatch Asylum Winchmore Hill Hospital		-	752 3 - 321 - 17	-	34 - 2 - 1			1.									752-3 - 321-17

6.—LONDON.—OUTER RING (excluding Deaths of Londoners in Metropolitan Workhouses ospitals, and Asylums).—Legal Population: Births and Deaths registered during the Week ading Saturday, 11th February, 1899.

10	ling Saturday, 11th Februa	ary, 189	9.						ni melledratas						of remaining linear	B, applications		
-						Deat!	hacel	The	DEA				the \	Week	inclu	de	1	
	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATES.	Infinits under 1   Fear of Age.	Persons aged 60 F	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoga.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
7.	DON-OUTER RING -	363,749	1,422,063	1066	585	115	208	_	9	4	22	17	2	3	26	45	84	7
-	Carshalton wHH	12,228 10,423	26,108 12,508	15 ·8	10 4	1	4 3	-	2-i-	-	-	-			1	3	2	1
	Godstone, part of* W =	2,754	1,598	2	-		-	-	-	-	-	-	-	- 1	-	-	-	-
	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	86 15	47 9	11 5	22 1		-		1	1 2	-	-	3	4	16	1-1-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	12 23 7 4 11	5 11 6 5 6	2 1 1 1	1 6 3 2 4	11111	1 1 1 1	14111	1 1 1 1	1	1 1 1 1 1	1111	4 4 4 4 4	4 4 4 4 4	1 -	1 1 1 1
- 000	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	9 12	15 2	3 2	9		-	-	-	-	1	- 1	1	1	3	
	Bromley $HHH$ Beekenham $H$ Chislehurst, $part of * WHH$	9,127 6,542 14,307	23,815 21,969 20,372	14 7 14	5 3 6	1 -	1 2 3	-	-	-	1 -			111	3	2	2 - 3	
1 0 3	Bexley HHH	12,540	<b>30</b> ,590	25 -	11	3 -	2	5	1			1 -	-	-		1.	ī	P. L.
100	Sunbury w Staines WH	11,054 13,277	13,671 13,221	$\frac{7}{12}$	7 4		3	- /	-	-	-		-	· -	-	-		
107.00	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	2 3 10	7 4 6	1 - 2	422	1 - 1	1 1 1		1 1.		-			-	1 -	CONSTRUCTION
The second second	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	19 7 26 15 36	21 8 7 5 9	4 - 1 - 5	10 3 3 1	1			21 1 1 1	1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	11 - 1	- 1
- COLONIA	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	18 76 11	6 3 25 8	21 - 3 -	4 2 7 7		1.1.0.1	- 2	1	1 1 1	1 1 1 1	1 1 1 1		4 2 3	- 2 4	1 1 1 1
- C100	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	3 5 13	2188	- 1	1 4 7		-	-	- - 1		-		ī	1	1 3 -	- 1 -
LI OT SO WITH SO	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	31 71 33 23 3 5	19 27 12 14 1 4	4542-	8 11 2 7 - 1					2 1 2 - 1	11111	- - 1 -	ī - ī	3 2 - 1	1 4 - 1	
	Hatfield, part of * W	3,306	582	1	I	-	-	-	-	-	-	-	-	-	-			-
Los	Bushey H Watford WH, part of * -	9,331	7,737	4 -	1		1 -		-	-	-	-	-	-		-	-	-
The second second	Stratford H Plaistow WHHHH Canning Town H East idam wHH Leyton WWWWH Walthamstow HHLL	3,266 4,334 6,501	38,612 53,030 54,750 53,511 32,713 70,188 57,330	37 48 46 28 58 51 63	18 34 23 15 23 36 25	0.000000000000000000000000000000000000	6 7 9 3 4 13 6		-5	1 1	4 2 2 1 1 2	1 - 1 2 -	- 1	1	2 1	322 - 12	3 - 1 - 11	12
100	Chigwell, part of * HHHH Epping WH, part of *	11,779	12,941	4 -	5 -	1	2 -	1 1		-	-	-		-	-	-	1 -	
1	Romford, part of * WH - Ilford Barking Town, H	6,556 8,493 3,814	4,324 10,913 14,301	218 23	2 5 11	10.1	1 2 -	1 1 1		-	1	-			9	9	2	-
	Homerton Fever Hosp Middlesex Co. Lunatic Asy	-			3 3	1 I	1	-			3 -	-	-		-	-	3 2	-
	Wandsworth. South-Eistern Fever Hosp. Deptford.	,	1		1	-	-	-		-	-	-	-		-	-	1	-
h.	parts of sub-districts include	v1 mithi	n that non	tion of	the M	otno	oolit	on D	11:00	Deat	- ni at	whi	ah fo	nna	the	Onto	n Ri	20

he parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring s follows:—30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Sarley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst listrict, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst listrict, except the parish of Esher (pop. 3,997); 135: 1, the parish of Northaw in eld sub-district; 187: 1, Chigwesh sub-district, except the parish of Theydon Bois and part of the parish of Epping 1,079); 189: 1, the parish of Dazenham in Romford sub-district; also deaths in Workhouses and Hospitals for tious Diseases belonging to the Outer Ring in 42: 2, Dartford; 137:2, Watford; and 187: 2, Epping sub-districts.

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of Mortality during the week ending Saturday, 11th February, 1899.

			ANNUA	L RATE			The DE	CATH	s regi	stere	l in th	ie We	ek inc	lude		
GREATER	Area	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of				Deatl	ıs fro	n			Piffe
LONDON	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence,	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	1
GREATER LONDON	443,421	6,528,434	20.4	1.7	2556	545	798	-	30	11	71	62	22	18	95	67
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	22.8 14.9	1.8 1.5	1991 565	430 115	590 208	-	21 9	7	49 22	45 17	20	15 3	69 26	59

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of Mortality in Edinburgh, Glasgow, Dublin and in certain FOREIGN CITIES.

EDINBURGH - 298,927 February 11 135 159 277 - 4 - 4 - 4 7 GLASGOW - 733,903 11 442 494 350 - 6 3 3 15 DUBLIN - 349,594 11 198 212 316 1 1 1 2 CALCUTTA - 466,460 December 17 58 MADRAS - 452,518 6 340 388 445 1 3 ? ? ? 3 9 MADRAS - 452,518 6 340 388 445 1 3 ? ? ? 9 14 1 BRUSSELS - 551,011 4 271 212 200 - 11 1 2° 2 PARIS 551,016 551,011 4 271 212 200 - 11 1 2° 2 PARIS 561,011 4 271 212 200 - 11 1 2° 2 PARIS 196,325 28 122 56 146 2 - 2 4 - 2 2 4 PARIS 196,325 28 122 56 146 2 - 2 2 4 PARIS 2 2,516,600 February 4 190 116 17.5 - 3 - 1 3 STOCKHOLM - 283,550 January 28 135 152 279 - 4 1 13° 1 - 2 PARIS - PETERSBURG 1,132,677 January 28 567 613 282 1 5 6 19 8 1 MOSCOW - 988,610 28 - 491 259 2 9 5 3 STOCKHOLM - 1,132,677 January 28 567 613 282 1 5 6 19 8 1 MOSCOW - 988,610 28 - 491 259 2 9 5 3 STOCKHOLM - 1,805,054 21 917 618 17.5 - 8 9 16 11 MSURG - 675,351 February 4 - 189 146 1 1° 2 - 188 146			an	ld 11	n certain	FOREIGN	VUITIES.							;
Cities		POPILLATION					ANNITAT	DE	CATHS			ASES.		MOTI
EDINBURGH - 298,927 February 11 135 159 277 - 4 - 4 7   GLASGOW - 733,903 ,, 11 442 494 3500 - 6 3 3 15   DUELIN - 349,594 ,, 11 198 212 316 - 1 1 1 2   CALCUTTA - 466,460 December 17	CITIES	(enumerated or	OF RETURE			Į	DEATH- RATE per 1000	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosal
POWE - 500 CIA 93 000 300 - 2 3 1	GLASGOW - DUBLIN - CALCUTTA - BOMBAY - MADRAS - PARIS - BRUSSELS - AMSTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW - BERLIN - HAMBURG - DRESDEN - BRESLAU - MUNICH - VIENNA - PRAGUE - BUDA-PESTH - TRIESTE - ROME - TURIN (10 days) VENICE - CAIRO - ALEXANDRIA - NEW YORK (including BROOKLYN)	733,903 349,594 466,460 821,764 452,518 2,511,629 551,011 512,758 306,439 196,325 345,000 283,550 203,337 1,132,677 988,610 1,805,054 675,351 388,300 406,012 445,000 1,606,629 380,497 666,722 165,913 500,610 344,203 169,883 570,062 319,766 3,550,053	December January 7 February 9 January 9 February January 9 February January 9 February January 9 February 1 January 9 February 1 January 9 February 1 January 9 Januar	111 111 117 224 6 4 4 4 228 228 228 4 228 4 228 4 228 4 4 228 4 4 4 4	442 198 - 244 340 1249 271 317 217 122 190 135 158 567 - 917 - 240 - 913 196 525 107 266 -	494 212  - 1421 388 978 212 145 91 56 116 152 134 613 491 618 189 134 166 - 657 196 283 107 180 -	35·0 31·6 - 89·9 44·5 20·2 20·0 14·8 15·3 14·6 17·5 27·9 34·3 28·2 25·9 17·5 14·6 16·3 21·3 26·8 22·1 33·5 18·8	1 2 1 1	4 6 6 - 30 3 15 111 2 - 3 4 1 1 5 9 8 8 - 1 1 1 - 8 6 6 3	- 3 1 1	4 3 1 1 7 9 4 2 8 3 1 1 1 1 1 1 2 2 3 3 4 7 2 2 3 4 2 2 - 1	7 15 2	1 4 4 4 4 5824 38 12 1 1 - 1 1 4 6 2 2 - 1 1	

<sup>\*</sup> Including deaths from croup.
† Including 456 deaths from plague.
‡ Including 3 deaths from cholera.
§ Including 2 deaths from malarial fever.

-	_	ė			_					-		(1		W 0 70 -	0.77.7		-1-2	-				-
		Ozone	2 -	1:2	3,0	0.2	2.7		1.0	3.0	23.53	26	s sea	ans of bulb ctions vears	ter is imum	mean ables	75.	neter	erate	week	the the	
Rain	ina	whose receiving	hinches above the Ground	in. 0.41	0.50	10.0	0.43	0.13	0.00	10.0	Sum 1.19	25	el of the	The means of the wet bulb of corrections	rmomed mini	om the trical T	ding 187	hermor	m. moderate	of the	A.M. of	
		on's.	Departure from Average of 16 Years.	Miles.	- 46	- 18	+266	+301	+353	+218	Sum +903	24	ean lev	and to	ending ulb the num an	luced fr ygrome nof the	orizonta ears en licates	of the t	weak; m	grinning	by 11h. o 29'49 in	ı
rg,		Robinson's.	Horizontal Movement to of the Air on each Day,	Miles. 169	293	319	009	631	829	538	Sum 3228	23	midnight ove the m	M., and 91 mometer he applic	y years of dry b	y are ded aisher's H discussio	that of her the state of the st	idexerro	N. negative; w. wee Campbell-Stokes S	day.	29.39 in.	30K.
momete		ne "	Mean of 24 hourly obs.	lbs.	0.3	0.4	1.4	1.6	1.8	H	4,10	252	tht to	3b. P. o there is by t	twent twent of th	imidit by Gla	, and tords for	their	sours s sgativ	each	sed to	the w
om Ane		Pressure on the Square Foot.	Least.	1bs.   0.0	0.0	0.0	0.0	0.0	0.0	0.0	. :	21	midnig s 159 f	noon y bull y value	the eading	neters	ng 1890 ricrect	tedfo	N. no	ine or om 29	to 28 increa ame d	nd or
luced fr		Press	Great- est.	1bs. 1:0	4.1	2.0	15.3	10.0	12.0	16.0	:	20	from neter i	A.M.; he dr daily	during lean r le read	degre	s endinon	correc	tive; com th	suns sed fr	reased e 8th ; n the s	y the e
Windasde	Osler's.	direction.	P.M.		E. & ESE.	SW. & SSW.	SSW.	SSW.	SSW. &SW.	SSW., S. & SSE.	& SSW.	61	civil day, or	taken at 9h taken at 9h parometer, t d into mea	neter, and corrected numean of the	verature and wet bulb the	the 50 year of the anen	nn 17 arenot	y is derived re:-P. posi	on of bright meter decre	the 5th; inch. h. P.M. on the by 4h. P.M. o	to 29'19 in. b
		General Direction.	А.М.	SSE, ESE.	E. ENE.	SE. S. &	SW. &SSW.	SSW. &SW.	SSW.	SSW.	Variable	18	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 158 feet above the mean level of the sea	to correction has been applied to the regulary to require to sea for year.  Observations are usually taken at 9h.A.M.; noon; 3h.P.M.; and 9h.P.M. The means of the ope-readings of the barometer, the dry bulb thermometer, are converted into mean daily values by the application of corrections and the first part of the proverted into mean daily values by the application of corrections and the proverted into mean daily values by the application of corrections and the proverted into mean daily values by the application of corrections and the proverted into mean daily values to the proverted into mean daily values by the application of corrections and the proverted into mean daily values to the proverted into mean daily values to the proverted into mean daily values by the application of corrections.	ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is confined the corrected mean of the readings of the maximum and minimum them of the corrected mean of the readings of the maximum and minimum them of the correction of the readings of the maximum of the part of the maximum and minimum the mean decirate the correction of the maximum of the maximum and minimum the mean decirate the maximum of the	mean daily dew point temperature and degree of humidity are deduced from the mean daily dew point temperature and degree of humidity are is in year of the degree of humidity are described and ally values of the dry and wet builb thermometers by dalasher is in year one the labels. The average temperature of the air is that derived from a discussion of the observation	made at Greenwich during the 50 years ending 1880, and that of horizontal movement of the air from a discussion of the amonometrior records for the 10 years ending 1875.  In reading columns 8 and 24 it will be borne in mind that + indicates" kigher, and	<ul> <li>"lower," than the average.</li> <li>The values given in column 1/7 are not corrected for the index error of the thermometer, which cannot be determined.</li> <li>This is a formula to the contraction of the contraction of the contraction of the contraction.</li> </ul>	The record to independ the providing in Theorem's scill-registering incompanies.  The symbols employed are: -P. positive: N. negative: w. weak; m. moderates.  The symbols employed are: -P. positive: N. negative: w. weak; m. moderates.  The round N. variand 18.  The numbers in online 18.  The numbers in online 18.	show the aggregate duration of bright sunshine on each day. The reading of the barometer decreased from 2976 in, at the	2 2522 in . by 10h, Am. on the 5th; increased to 2529 in. by 1.m. Am. on the eur; decreased to 2929 in. by 11h. Am. on the 5th; increased to 2929 in. by 11h. Am. on the 9th; decreased to 2929 in. by 11h. Am. on the 9th; decreased to 2927 in. by 4h. P.M. on the same day, increased to 2949 in. by 1h. AM.	d decreased
R.E.		Of the Earth	3 feet below the Surface.	41.07	41.45	41.50	41.80	42.20	43.37	44.14	42.26	17	esults s	vations	1873 fc meters ed the	aily der alues of verage	t Green ir from ding co	"lower," tha The values g hich cannot	mbols g; and	ne aggr reading	in, by sed to 2	10th an
PERATU		tion.	Lowest on the Grass,	28.8	32.6	36.0	42.0	44.2	44.3	42.3	9.86	16	The r The l	the eye	ending thermo combin	mean d daily v	made a of the a	- "low The v	The sy s. stron	show the	to 29.32 decreas 9th; de	on the
TEM		Radiation.	Highest in Sun's Rays.	0.27	47.0	91.3	55.0	70.3	105.3	82.5	2.02	15		1. A.M.	1. P.M.	tially rain.	ind at	riable slight Brisk	mild.	Faint		
-	Degree	of Hu- midity (Satu-	ration squals 100).	95	92	85	91	22	19	22	- 83	14	ρά	een 4h.	reen 11	nd par slight	Strong wind at	ig; va quent ards.	Very	vers.		
ween	ature	e l	Least.	0.0	0.0	0.0	2.1	2.5	2.0	5.3	2.5	13	MARE	betw	1 betw	fine al sional		nornir th fre efterw	dy.	toren	-	
nce bet	Temper Dew Poi	peratu	Great-	0.4.2	2.8	10.4	4.4	13.1	19.8	8.6	6.6	12	T RE	nt rain	ıt rair	A.M.; Ocea	nt rain	ast wi	cloudy.	nt sligh	Very mild	
Differe	the Air Temperature and Dew Point	Ten	Mean daily value.	1.9	2.2	4.3	2.0	5.4	13.6	6.9	5.5	12	GENERAL REMARKS	reque	reque	ll 11h. vards.	reque	shower overce P.M.;	ry mild. partially nd till eve	reque	t. Ve	
-	Of the	Dew point.	Mean daily value,	34.6	34.7	43.4	47.8	47.2	43.6	44.2	45.9	10	GE	Overcast; frequent rain between	Overcast; frequent rain between Ih. P.M. nd 9h. P.M.	Overeast till 11h. A.M.; fine and partially outly afterwards. Occasional slight rain.	cast; f Mild.	Cloudy and showery in morning; variable II IIh. A.M.; overcast with frequent slight in till 4h. P.M.; fine afterwards. Brisk	wind, Very mild. Fine; partially clot Strong wind till evening.	halo;	wind at night.	
RE.			De- parture from Average of 50 years.	0 9.6	1 2.8	+ 8.5	+1112	+13.9	+18.8	+12.8	+ 8.3	6		Overcaè and noon	Overcast and 9h. P.M	Overcast till 11h.	Overcast; frequent rain.	Cloudy and showery in morning; variable till 1lh. A.M.; overcast with frequent slight rain till 4h. P.M.; fine afterwards. Brisk	wind, V Fine; Strong w	Variable; frequent slight showers, solar halo observed in forenoon.	wind a	
RATUB		ir.	Mean daily value.	35*9	36.9	47.6	50.3	52.6	57.5	51:1	47.4	00	n above brizon, hours.	9.4	9.4	9.4	9.5	9.6	9,6	2-6	9.99 mng	29
TEMPERATU		Of the Air	Daily Range.	0.4.0	5.6	17.6	0.9	2.6	13.6	9.9	0.6	7	Registered Sun above Sunshine Horizon, in hours.					^^	~	~		
			Low- est	33.0	34.6	37-2	47.2	47.9	50.3	48.0	42.7	9	Registe Sunsh in hou	0.0	0.0	5.8	0.0	9.0	တ္	1.3	Sum 10:5	28
_			High- est.	37.8	40.5	54.8	53.5	9.12	63.6	54.6	2.12	2	of e.)	A.M.; [. till] after-	P.M.; [ till after-	out -	ĕ. Ŋ.	ally;	out -	noon;	s,	
BARO-	Mean	daily reading	rected and re- duced to 32° Fahren- heit).	in. 29.421	29.562	29-328	29.258	29-323	29.380	29.324	29.371	4	ELECTRICITY. (For explanation of symbols, see Note.)	till 4h. nd v. N w. P.	till 3h. nd v. P. 8 ; w. P. 8	through	1700	gener al w. N	w. P. throughout	th oceas	erward	27
		Phases			Greatest	Dec. S.	:	Perigee	New	:		100	ELE (For ex symbo	m. P. w. P. an	wards. w. P. till 3h. P.M.; w. P. and v. N. till 9h. P.M.; w. P. after-	wards. w. P. throughout	w. P. and throughout.	w. P. generally occasional w. N.	w.P.	w. P. till noon;	v. N. afr	
			А	Y. 5			00	6	10	Ħ		- ut	Y.	5	9		00		10	11		1
	1800	roan.	MONTH AND DAY	FEBRUARY.	MONDAY -	TUESDAY -	N EDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. FEBRUARY	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

## OFFICIAL COPY.

### WEEKLY RETURN

#### DEATHS BIRTHS AND LONDON i N

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 7. 1899. Vol. LX.] WEEK ENDING SATURDAY, FEB. 18. [Price 14d.

> General Register Office, Somerset House, February 20th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 19.5 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

***		Weeks	endin	g	We	ks ending	g.
Towns.	Jan. 28.	Feb.	Feb. 11.	Feb. 18.	Towns. Jan. Fe		Feb. 18.
33 Great Towns				19.5	2.0200000	8 16.3	10.5
Birkenhead -	18.1	22.6	19.5	25.4	Liverpool	$\cdot 2 30.5 $	27.9
Birmingham -	16.0	22.2	22.2	17.8	London   15.8   19	4 22.8	19.3
Blackburn -	15.4	15.8	16.6	16.6	Manchester - $- 18.5 23$	$\cdot 2 25 \cdot 0 $	23.4
Bolton	19.0	19.6	24.4	17.7	Newcastle-on-Tyne   16.9   23	.5 19.4	21.4
Bradford -	17.9	16.6	17.0	17.9	Norwich 18.9 14	3 15.7	15.2
Brighton -	17.3	13.1	14.0	16.5	Nottingham 18.1 17	6 24.4	17.2
Bristol -	17.1	15.8	21.8	17.9	Oldham - $-  18.0 22$	$\cdot 1   25 \cdot 2  $	20.4
Burnley -	16.6	18.0	11.1	16.6	Plymouth  23.8   15	5 20.2	20.7
Cardiff	12.9	15.7	16.8	14.9	Portsmouth 15.6 19	$\cdot 1  20.0 $	14.5
Croydon -	13.5	11.0	15.1	15.5	Preston	2 32.4	28.8
Derby	18.6	18.6	20.1	20.1	Salford 16.2 19	8 22.7	27.7
Gateshead -	18.1	24.5	18.1	21.5	Sheffield 18.3   20	8 19.6	20.5
Halifax -	14.4	22.4	20.3	20.3	Sunderland  22.2   27	2 27.9	23.6
Huddersfield-	17.6	13.1	16.1	12.1	Swansea  21.6  21	1 22.1	19.1
Hull	16.7	14.5	16.2	14.9	West Ham 12.0 15	5 16.3	16.3
Leeds	16.6	18.8	20.9	18.3	Wolverhampton - 18.2 22	9 20.0	20.0

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.3 in Manchester; from whooping-cough, 1.1 in Cardiff, 1.3 in Nottingham, 1.4 in Sunderland, 1.6 in Halifax, and 2.3 in Birkenhead; from "fever," 1.0 in Gateshead; and from diarrhea, 1.0 in Gateshead. In none of the thirty-three towns did the death-rate from scarlet fever reach 1.0 per 1000. The 88 deaths from diphtheria included 40 in London, 8 in Sheffield, 5 in West Ham, 5 in Swansea, 4 in Birmingham, 4 in Liverpool, 3 in Birkenhead, and 3 in Leeds. No death from small-pox was registered in any of the thirty-three towns.

LONDON.

In LONDON' 2862 BIRTHS and 1686 DEATHS were registered. Allowing. for increase of population, the births were 125 above, and the deaths 151

• By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained, fluctuding deaths of Londoners in the Metropolitan Workhenses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables I, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

below, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.8, 19.4, and 22.8 in the preceding three weeks, declined again last week to 19.3. During the four weeks ending on Saturday last the death-rate averaged 19.3 per 1000, being 2.1 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1686 deaths included 27 from measles, 4 from scarlet fever, 40 from diphtheria, 38 from whooping-cough, 16 from enteric fever, 11 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 136 deaths were referred to these diseases, being 50 below the corrected

average weekly number.

The deaths from measles, which had been 21, 22, and 21 in the preceding three weeks, rose again last week to 27, but were 17 below the corrected average; 5 cases belonged to Clerkenwell, 4 to Bethnal Green, and 4 to Poplar sanitary areas. The deaths from scarlet fever, which had been 12, 8, and 7 in the preceding three weeks, further fell last week to 4, the corrected average being 17. The deaths from diphtheria, which had been 31, 32, and 49 in the preceding three weeks, fell again last week to 40, and were equal to the corrected average; 4 cases belonged to Kensington, 3 to Hackney, 3 to Mile End Old Town, 3 to St. George Southwark, and 3 to Battersea sanitary areas. The deaths from whooping-cough, which had been 36, 50, and 45 in the preceding three weeks, further fell last week to 38, and were 26 below the corrected average: 4 cases belonged to Paddington, 3 to St. Pancras, 3 to Poplar, and 3 to Newington sanitary areas. The fatal cases of enteric fever, which had been 15, 10, and 20 in the preceding three weeks, fell last week to 16, but were 7 above the corrected average; 2 cases belonged to St. Marylebone, and 2 to London City sanitary areas. The deaths from diarrhæa, which had been 8, 10, and 15 in the preceding three weeks, fell last week to 11, the corrected average being 12. The deaths referred to diseases of the respiratory organs, which had been 266, 348, and 481 in the preceding three weeks, fell last week to 413, and were 60 below the corrected average. The deaths attributed directly to influenza numbered 74, having been 21, 22, and 50 in the preceding three weeks.

Different forms of violence caused 79 deaths, concerning all but 2 of which inquests were held. Of these 79 deaths, 9 were cases of suicide, while the remaining 70 were attributed to accident or negligence. Three of these were referred to vehicles in the streets, 7 to burns and scalds, 4 to drowning, 1 to the effects of chloroform administered for surgical purposes, and 17 (of infants under one year of age) to suffocation in bed.

## CASES OF INFECTIOUS SICKNESS IN HOSPITALS\*.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2587 cases of scarlet fever, 1403 of diphtheria, and 231 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 202 cases, against 220, 265, and 253; of diphtheria, 179 cases, against 189, 184, and 177; and of enteric fever, 30 cases, against 29, 13, and 42.

## GREATER LONDON.

In Greater London 3972 births and 2270 deaths were registered, corresponding to annual rates of 31.7 and 18.1 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 2 from scarlet fever, 18 from diphtheria, 16 from whooping cough, 2 from "fever," and 5 from diarrheea were registered. Seven deaths from measles, 10 from diphtheria, and 8 from whooping cough occurred in West Ham district; 3 deaths from diphtheria occurred in Hendon district.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.56 inches, and that of the Thermometer  $45.^{\circ}6$ ; the latter being  $6^{\circ}.3$  above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 22 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 22.0 hours; the measured rainfall amounted to 0.72 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous

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Registered during	th Februa		BIRIUS, DEATHS.	21	7028	2862	182	61	101	200	177	126	22	53	79E	99	119	129	7+	0.	1.00	0eT	169	89	55	69 89	4.5	43	113	955	261	142	113	99	138
	POPULATION 18	estimated to the middle of the Year 1899.*	<b>1</b>	- 1	11,404,408	4.546.752	300,241	127,759	123,226	190,741	320,911	185,826	103,722	88,821		113,268			106,401		634,212	162,221	218.144	150,772	113,081	135,154		97 791	936.941		- 361,169	- 234,270	- 145,613	106,552	- 228,625
	I SHIPL			Co1s.	33 TOWNS -	1	WEST HAM	CROYDON	BRIGHTON	PORTSMOUTH -	RRISTOL	. 1	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH	LEICESTER	NOTTINGHAM	DERBY	BIRKENHEAD -	LIVERPOOL	BOLTON -	SALFORD	OLDHAM	BURNLEY	BLACKBURN	Taras	HALIFAY	BRADFORD	LEEDS	LELD -	HULL	SUNDERLAND -		NEWCASTLE -

Table 2. LONDON.—Births and Deaths Registered in the Seventh Week of each of the Eleven Years, 1889-99.

	X (	1889	1890	1891	1892	1893	1894.	1895	1836	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
	Total Births  Males	2511 1334 1177	2793 1461 1332	2655 1347 1308	2233 1150 1033	2762 1399 1363	2602 1300 1302	2737 1402 1335	2575 1336 1239	2621. 1319 1302	2527 1244 1283	2737·2 1398·5 1338·7	2862 1465 1397
OCTAL Property assuments and party against	Total <b>Deaths</b> - Males Females	1516 744 772	1809 904 905	1762 940 822	. 1693 . 886 827	1556 767 <b>7</b> 89	1552 784 . 763	2467 1203 1264	1727 869 858	1524 787 737	-1856 918 938	1837·2 924·0 913·2	1686 806 880

<sup>\*</sup>The numbers in this column are the average weekly numbers in the seventh week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last Thirteen Weeks.

• [	Nov.	Das		1	1		1	1		1			
The state of the s	26.	Dec.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.	Feb. 11.	Feb. 18.
TOTAL Births	2155	2575	2577	2519	2422	2215	2893	2435	2811	2686	2696	2802	2862
Total Deaths	1439	1569	1447	1423	1470	1593	1663	1568	1503	1381	1690	1991	1686
$\begin{array}{c} \text{Ages at} \\ \text{Ages at} \\ \text{Death} \\ \text{Death} \\ \text{0} \\ 0$	320 157 95 198 287 302 80	362 203 78 190 297 349 90	289 - 166 - 77 196 - 320 - 331 - 68	286 176 88 174 317 303 79	292 -189 -100 213 292 316 68	339 188 95 188 354 350 79	325 	320 177- 87 223 331 346 84	289 169- 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105
Deaths from— Small pox	24 7 38 16	25 9 43 28	22 11 43 22	31 - 8 - 40 - 26	24 14 46 21	31 12 47 32	27 11 30 41	27 8 34 37	30 8 30 40	21 12 31 36	22 8 32 50	21 7 49 45	27 4 40 38
Typhus	33 -6 1	21 17	26 - 19	19	21 19	15 1 14 -	17 13	10 11	16	15 - 8 -	10	20	16 11
All the above Diseases -	125	143	144	135	145	152	139	127	134	123	133	157	136
Dis. of Respiratory System - Phthisis Dis. of Circulatory System - Violence Inquest Cases Deaths in Public Institutions	280 148 145 66 139 473	340 161 145 76 179 446	295 156 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 188 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471
TEMPREATURE OF THE AIR.  Mean  Mean of Highest readings  Mean of Lowest readings	41.7 45.2 37.3	44·1 47·6 39·5	49.4 52.7 45.1	48.0 51.9 43.0	40°1 45°3. 34°6	43.3 48.1 36.8	42.0 46.9 36.2	45.0 -50.7- 39.8	47.4 51.9 41.9	38 2 43 2 33 7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 -51.7 -39.9
Humidity of the Air	90	85	83	83	80	84	87	83	84	80	83	83	. 82
Rain-fall (in inches)	1.88	0.26	1.34	0.00	0.03	0.81	0.24	1.03	1.00	0.08	0.18	1.19	0.72
Registered Sunshine (in hours)	7.0	5.6	6.7	0.8	12.9	14.0	5.6	20.3	3.3	35.81	7.4	10.5	22.0
CASES OF INFECT	rious 8	SICKN	ESS IN	Hose	ITALS	* AT T	HE E	ID OF	EACH	WEE	K.		
Snall-pox	3162 1250 266	3142 1274 286	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	2777 1257 250	$\begin{array}{c c} 1 \\ 2749 \\ 1304 \\ 243 \end{array}$	2679 1368 249	2665 1377 229	2642 1378 228	2587 1403 231

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(Sie TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by I. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arithur Newsholme, Esq. M.D., Brighten:
A. W. ?reston, Esq., F.R.Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton: Arthur Brown. Esq., M.Inst. C.E., and F. 3 hobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C. &., Preston: A, Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Pevk, Hull.

ABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday, 18th February, 1899—continued.

SUB-DISTRICT during the We	ek ending	Satu	rday,	18tl	ı Fel	orua	ry,	1899	)—c	onti:	nuec	l.						
							Th	e DE	ATHS	regis	tered	duriz	g the	Weel	k incl	ude	92	
	Enume-			Deat					3	Death	s from	m					itution	to a
REGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	TotalBIRTHS.	Total DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sma.l-pox.	Measles	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued	Diarrhosa.	Violence	InquestCases.	Deaths in Public Institutions	Uncertified Causes Death,
CENTRAL DISTRICTS.  St. George Bloomsbury N. St. Giles South $WH$ N. St. Giles North $H$ N.	16,110 12,976 9,151	17 1	2 4 2	ī -	1 1 -	1 1 1	-				1 1 1	-	-	1 1 1	171 1	ī	3 2	111
St. Martin-in-the-Fields HHN. & C. Strand WHH N. Strand Union Workhouse, Edmonton	13,077 11,839 +1,037	5 8 -	7 4 -	1 -	1	1.1.1	1 1 1	111		1 1 1			. 1 1 3	1 1 1	2 -	2 -	4 3 -	111
Holborn wHHHHHHH - N. St. James Clerkenwell - N. Amwell Clerkenwell - N. Goswell-street - N. City-road HHHL - N. Whitecross-street - N. Finsbury - N. Holborn Union Workhouse, Mitcham - Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	14 11 21 9 37 3 3	18 4 13 8 14 2 -	5224	1 6 1 1 - 3	1111111	4	1111111	1	1	1111111	1111111		- 11	1 - 1	2 1 - 4 1	8 - 2 - 3	1111111
St. Botolph $H$ N. & E. Cripplegate N. & E. St. Sepulchre $WH$ N. Allhallows Barking N. Broad Street $H$ - N. City of London Asylum, Stone -	6,870 3,299 9,591 9,059 2,892 †388	3 1 - 1 -	2 1 20 3 -	3 - 1 -	1 1 1	111111	1	11111	11111	11111	1111/11	5	1 1 1 1 1	11111	2 -	1 2 -	14	1
EAST DISTRICTS.									,									
Shoreditch South $Hl$ - E. & N. Hoxton New Town $w$ - N. Hoxton Old Town N. Haggerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	8 24 27 49	12 11 9 25	4 5 6 7	2 2 2 10		1 1	1111	- - 1	- 2	1111	- - 1		1 -	2	1 4 3 2	1 4 -	1111
Bethnal Green North $H$ - E. Bethnal Green East $WHl$ - E.	49,301 34,194 45,667	31 28 28	13 14 25	6 2 4	1 7 10		2 2 -	1 1 1	ī	1 1 1		-		- 2	1 -	3 4 -	13	111
Spitalfields E. & N. Mile End New Town* WH - E. Goodman's Fields* E.	26,681 } 51,995 {	13 24 8	7 43 10	2 2 1	3 4 3	1 1 1		1 1 1	2 -	1		ī		1 1 1	51	6	34	1 1 1
St. George's North E. St. John, St. George East W E.	39,576 7,930	34 7	9 14	1	3 4	-	-	-	-	1	-	-		-	1 1	ī	10	-
Shadwell $H$ E. & N. Rateliff $W$ E. Limehouse E.	14,954	5 17 26	9 5 11	6 2 6	1	1 1 1		1.0	- - 1	1 1 1			- 1	1 -	1 1	2 - 2	2 -	1 1
Mile End Old Town West Mile End Old Town East WWww	} 111,060	{ 62 36	14 31	7 9	2 13	1 1	-	-	1_	1 -		-	-	1.1	-	-	11	-
Bow $l$ E. Bromley $wwWH$ E. Poplar $WW$ E.	41,687 69,821 57,759	27 44 37	16 44 21	$\begin{bmatrix} 7\\10\\4 \end{bmatrix}$	2 13 6	1 1 1	1 1 3	1.1.1	ī	1 2 -	111,	1.1.1.	4.1.4.	111	1 5 3	2 8 5	14 2	1 1 1

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in ea SUB-DISTRICT during the Week ending Saturday, 18th February, 1899—continued.

1	SUB-DISTRICT during the We		1											he 7					
					De	1								he W	eek i	neiud	e	1 9	19
ı		Enume- rated			Deat	]		- 1	Lig	D	eaths	from		le	t-	1		itution	9
	REGISTRATION SUB-DISTRICTS	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea.	Violence.	InquestCases.	Deaths in Public Institutions	Theartifled Canas
	SOUTH DISTRICTS.																		
SELITS	thristchurch Southwark W HL.&S. t. Saviour Southwark S. t. Saviour Southwark S. t. Saviour Southwark S. torough-road W H - S. & L. ondon-road HL L. & S. trinity Newington S. & L. t. Peter Walworth W - S. & L. t. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 7 24 11 23 29 48 30	2 4 5 11 7 11 20 15	1 2 1 5 3 2 6 3	1 1 2 1 1 2 3 6		1	1 - 1 - 1 - 2		1 2 2 2 4	111111	T. J. J. L.	111111	1111111	1 1 1	1 2 3 2 1	3 - 1	The state of the s
·E	t. Olave $WH$ S. S. Somethithe $WwH$ - S. & K.	11,731 85,475 40,379	5 82 32	19 41 14	10 3	3 17 6	 	-	111	1 1 -	ī -	; <u> </u>		11/1		$\frac{7}{2}$	7 - 3	14 10 3	
LE	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	28 11 31 39 20 53 25	12 16 31 17 12 25 9	4 3 5 5 7 1	1 3 14 5 2 9 8	111111	1	1	1 3 -	1	111111	111111	111111	1	ī - - - -	2 2 - 1 - 1 -	10 13 - - 2	
L C	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	56 67 25 38 11 44	16 33 13 23 5 17	5 6 2 7 - 2	4 14 8 10 4 7	111111	131111	11111	1	1 1	11/11/1	11111			131	4 6 1 1 -	12 1 2 - 3	
C	Culwich L. & S. amberwell $Wwll$ - S. & L. eckham $WW$ - S., L., & K. t. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	4 60 59 59	35 21 15	4 3 1	2 13 7 3		1141	1 1 1 1	2	2		1.1.1.1	1 - 1 -	1,171	- 2	1 3	21	
I	Deptford North K. Deptford Central $w$ K. Deptford South K. Preenwich West $H$ K. Preenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	26 30 22 22 28	6 11 11 5 19	- 4 1 1 4	3 1 7 2 6	1 - 1 - 1 - 1	11111	# # H	1 -	1	1111	2	11111	1,111	1 2 1 - 1	2 1 1 1	- - 1 12	241
I	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	2 10 22 18	1 3 13 9	- 1 -	1 2 6 4			1111	- 4 -	1111		-		1111	- î	- I 1	1 7 1	1 4 4 1
V	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	11 11 16 6 34	10 1 7 2 13	2 - 4 - 2	1 1 2 3	. 1 1 1 1 1	3	1111	1	11111		11.11	11111	11111	- - - 1	 1 1	1 4	1 2
COE	anstead Asylum		1 1 1 1 1 1 1	2 3 1 1 1 - 3		131112	1 1 1 1 1 1		11111111	- 1 -		11111		I & LITELL	11111	111111	1 1 1 1 1 1	23111	1 1 1 1 1 1
ONV	olney Hatch Asylum		11111	331 - 26	-	2 - 1 3	1.1.1.1.1			11111			1 1 1 1 1 1	11111	- - 1	11111		3 3 1 2 6	11111

TABLE 4. LONDON.-DEATHS Registered at several groups of Ages from different CAUSES in the

				- 1	SEV	ZEN'	гн	W	eek	of the Year 1899.									
	r the years	8	In	the lay, I	Wee 8th	k end Febr	ling	189	99.		r the years	So	tur	n the	We 18th	ek e Feb	nding	g y 189	99.
	the 10	and the same of th	De		of E	Person ges	sof				res for the 10 18*,		De	ath	of l	Perso Ages	onso	f	
CAUSES OF DEATH	Averages sek of the 1889-98*,	gB.	τ	nder 20,		under 40.	under 60.	under 80.	and s.	CAUSES OF DEATH	Averages of the 1889-98*.	is.	1	Jnde 20.	r	under 40.	under 60.	under 80.	and 8.
	Corrected A	ALL AGES	TJ.	1-5.	5-20.	20 and un	40 and un	and	80 years upwards.		Corrected 7th Week	ALL AGES	0-1.	1-5,	5-20.	20 and un	40 and un	60 and un	SC years upwards.
CAUSES	1837:2	1686	328	201	101	204	321	426	105	Diseases of Circulatory System	155.8	156	1	3	16	17	44	64	11
all- {Vaccinated† - Unvaccinated No Statement	0·1 0·1 43·8 17·4 0·2	27 4 -	1 1 00 1 1	22 3	- - 2 1 -		111111	HELLIN	111111	Croup	6*5 284*6 136*3 7*2 38*5	236 130 5 42	- 44 36 1 7		7 -	5 11 1	33 16 1 15	98 26 1 15	5
uenza	31.9 64.1 39.5 0.1 8.6 0.1 11.8 0.1	74 38 40 - 16 - 11	7 14 2 - - - 6	1 24 28 - - 1	10 = 5	6 - 9	22 2	31 3	6	Dentition Quinsy, Sore Throat - Enteritis Peritoritis Diseases of Liver - Other Diseases of Digestive System	13:0 2:1 12:1 4:9 23:3 31:7	8 1 19 4 23 20	3 10 1 7	1 1 1	- 2 - 1	- - 2 4 2	1 12 4	3134	ī
rophobia	0.2	- - 3	- - -			- 1	2			Diseases of Lymphatic System & of Ductless Glands	2.4	-	-		-	_	-	_	-
sipelas – – mia and Septicæmia rperal Fever – – er Zymotic Diseases	3.4 1.9 5.3 1.9	32353	- - 1	1 1 1 1	ī - -	2 4 2	1 -	1		Diseases of Urinary System }	49.1	37	-	1	-	6	9	18	3
ush Para-)	1:3 0:2	2 -	2	1 1	-	-	-		-	Diseases of Generative System Accidents of Childbirth-	5·7 6·2	10 4	1	-	1	4	3 -	_ 	-
ical Diseases - )										Diseases of Locomotive } System }	6.2	7	1		4	2	-	-	-
vation, Want of }	2·0 9·4	- 15	-	-	-	5	10	-	-	Diseases of Integumen- tary System-	5.1	7	1	-	-	-	1	5	1 1
umatic Fever, beamatism of Heart umatism	7·2 2·7 3·5 6·2 70·6 19·6 22·0 178·2 19·5 14·3	6 4 2 4 87 11 21 154 17 21	- - 3 - 4 7 2 5	- - 1 - 4 12 3 6 2	1 - - 2 2 2 16 1 1	3 - - 6; - 69; 4 6	1	- 2 2 45 - 7 - 8	1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	>55:9	5 3 3 1	1	1 3	1 2	1 2 -	- 2 1 - 1	1 1 - 1	11 1 11
nature Birth ectasis genital Malforma-} nus Age	50.0 2.5 9.8 60.3	47 2 10 61	47 2 8 -	- 1 -	- 1 -	-		- 22	- - 39	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		1 1 26	17 - 3	1 2 1	1 3	1 - 5	- - 5	1 - - 8	2
plexy	48.5 8.1 42.3 100.9	46 7 36 75	- 31 13 	- 5 7	6	-	15 - 13	3	2 - 5	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	0.9 9.0	1 9 -	111	111	- 1 -	- 3 -	4	_1_	111
eases of Organs of }	2.4	4	1	-	3	-	-	-	-	OTHER CAUSES -	58.3	40	36	2	-	-	1	1	-

1959

The numbers in this column are the average weekly destinated "or as "unvaccinated" which are so certified by registered population. Only those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered lical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the se of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ident, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASL SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHGA, VIOLENCE, &c., registered in ea SUB-DISTRICT during the Week ending Saturday, 18th February, 1899.

							The l	DEAT	HS re	gister	ed du	ring t	the W	eek i	nelud	е	
`	Enume-			Des	thsof					Death	ıs fro	m					ations,
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	Scarlet Fever,	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhoss,	Violence.	Inquest Cases.	Deathsin PublicInstitutions
LONDON	4,411,710	2862	1686	328	531		27	4	40	38		16	_	11	79	166	471
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	394 606 142 535 1185	289 361 107 343 563 23	49 50 20 92 117	90 128 19 89 194 11	11111	2 4 5 10 6	2 - 2	6 10 1 7 15 1	11 6 1 8 12	111/011	34522	-	2 1 2 4 1	8 16 6 20 29	20 35 14 44 53	84 97 39 104 124 23
	90,996 33,510	43 15	33 12	7 2	11 4	-	-	1 1	-1	4	-	-	-	-	2 -	3 -	3
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	73 3	37 12	6 1	9	-	-	-	1 -	2	-	-	-		2	3 -	13 2
St. Peter Hammersmith - W. St. Paul Hammersmith HH W. & G. Fulham Ww W. & C.	9,097 25,102 113,781	4 52 97	5 39 40	9. 7	- 8 10		1		4	- 1 1	1 1 4	1,1 63	-	1	1	1 2	- 4 15
Chelsea Kensal Town - C, Chelsea North WHHHHH - C, Chelsea South HH C.	21,450 42,057 33,139	14 15 15	25 12	4 1 4	2 9 3	-	-	7 - 1		2	-		-	1	-	2000	13 1
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	5 30 16 2	13 22 7 12	3 2 2	7 11 - 3	- 17	-		1111	1	-	- - 1		1111	1	1 -	11 5 - 8
	23,050 12,048	7 3	9	1 -	5 2	-	-	1 1	-	-	-	-	-	-	1	1	5
NORTH DISTRICTS.  All Souls Marylebone   W. Rectory Marylebone W G. & W. St. Mary Marylebone   G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	14 7 30 11 19	11 7 5 8 6	2 - 1 - 1 -	5 4 3 3.	1 1 1 1	-	Firit	- - 1	11111	17111	- - 1	17111	1 1 1 1	2	2	5 2 -
$\left.\begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array}\right\} - \text{N. \& W.}$	75,449	40	23	4	8	-		-	2	-	-	-	-	-	-		3
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	37,341 26,757 29,426 32,161 16,669 98,410	12 11 20 25 15 57	13 20 10 10 12 40	2 1 1 2 7	6 8 8 17	11111	- - 1 -	1 1 1 1 1	1	- 1 2	14111			11111	2 1 1 1	1 5 1 - 1 5	1 11 3 2 7 9
$ \left. \begin{array}{c} \text{Upper Holloway} \\ \textbf{\textit{wW Ww} \textit{wH H}} \\ \text{Islington South-west} & \text{H} & - \text{N.} \\ \text{Islington South-east} & - \text{N.} \\ \text{Highbury} & \textbf{\textit{HH}} & - & - \text{N.} \\ \end{array} \right. $	98,273 107,365 66,549 64,577	47 72 43 24	54 32 11 17	4 6 3 2	20 10 1 8	1 1 1 1	1	1.1.1.1	1	1 -	1 1 1 1	1 1.1 1		1 1 1 1	 1 1	1 2 1	35
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$     \begin{cases}       16 \\       27 \\       30 \\       43 \\       43     \end{cases} $	7 16 17 19 23	-4 1 5 3	242159		1 - 1 - 1	1	1 4 -	- 1		- 2	11,1,14	- - 1	- 1 3 3	3 5 4	- 6 2 11

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Worknouse; H—Hospital; L—Lunatic Asylum; t—Private Lunatic Asylum in which paupers a received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The man capitals signify the Water Companies which supply the different Sub-districts; G-signifies Grand Juncti Company; W-West Middlesex; C-Chelsea; C-Southwark and Vauxhall; C-Lumbeth C-Now River; C-Estable C-Company C-Company; C-Company C-Compan

BLE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 18th February, 1899.

				DE L'AMBREN				The	DEA	THS	regist	ered i	n the	Week	incl	ıde		
gis- tion			Enume-		υå	Deat	hsof				Deat	hs from	n					
trict nd ab- trict am- ers.	REGISTRATION SUB-DISTRICTS.	in Acres.	Population, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
LON	DON-OUTER RING -	368,749	1,422,063	1110	584	139	206	-to-	11	2	18	16	2	5	15	31	67	8
:1	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	19	6 3	2	1 2	-	~	_	-	-		-	-	_	- 1	-
:1	Godstone, part of* W 2	2,754	1,598	2	1	-		_	_	_	_	_	_		_	_	1	_
:1	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	68 12	46 7	8	24 3	-	-	-	-	2	=	-	3	4	15	-
):1 3 4 5	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	25,777 33,566 12,178 11 080 18,252	23 28 6 12 11	16 3 5 3	1111111	1 7 2 2 1			1 1 1 1		- 1	1 1 1 1 1	11141	11111	1111	6	
:1	Richmond WH Mortlake H =	2,160 2,823	25,389 16,159	$\frac{12}{7}$	9 5	-1	7 4	-	-	-		-	-	-	-	-	1	_
:1	Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	17 19 8	10 5	1 3 2	1 6 2				-	- 5	-	- 2	-	-	-	-
:1	Bexley HHH Dartford WH, part of * -	12,540	30,590	31	.7	1	4	-	-	-	1	-	-	7	1	1	2	1
:1	Sunbury w Staines WH	11,054 13,277	13,671 13,221	12 7	1 6	1 2	- 3			-		-	-	-	-	-	-	-
:123	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	6 6	4 1 1	1	21	-		-	-		-	-	-	-	-	1 -
:1 2 3 4 5	Isleworth WHH Twickenham HH Brentford HHHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	19 8 21 13 25	10 5 16 13 8	1 3 - 3	62793			1111	1	1	1	11111	1 1	- 1 - 1 - 1	5 2 -	1
:1 2 3 4	Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	12 2 55 11	10 - 45 3	1 11 1	5 7 1		3	1 - 1 - 1	3 - 3 -	- 1	1111	1 1 1 1	ī	5	2 2	1 1 1 1
2	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	6,367 14,152 25,820	7 19	1 7 8	- 1 1	- 2 2	7 1 1	-	-	-	-	-	-	-	-	- 2	1
2 3 4 5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	32 98 31 34 5	18 45 15 17 2 5	13 2 6 -	5 17 6 9		1	11111	1	1	1	1 11 1 1 1	1 3 1 - 1	1 3 2 1 - 1	1 4 3 -	1 1 1 1 1
1	Hatfield, part of * W	3,306	582	-	-	_	-	_	_		_	-			_	1		-
1 2	Bushey $H$ Watford $WH$ , $part\ of*$ -	9,331	7,737	4	4	-	1	-	-	-	-	-	-	-	-	-		-
2 3 4 1 5 6 1 7 1 (C)	Stratford H Plaistow WHHH	3,266 4,334 6,501 11,779	38,612 53,030 54,750 53,511 32,713 70,188 57,330 12,941	41 63 35 43 41 53 71	12 32 26 15 19 40 35	7 11 11 1 6 11 10 -	-4 1 7 5 14 12 1	1	3 2 1 1 1	1	1 2 2 -	1 2 1 3 -		1	1 1	2	1 - 10 1 - 10 1	211
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Altord Barking Town, H Middlesex Co. Lunatic Asy., Wandsworth. Condon Co. Lunatic Asy., Cane Hill.	6,556 8,493 3,814 —	4,324 10,913 14,301 —	4 18 13 -	- 1 8 6 5	3 2 -	1 2 1			1 -				1 1 1 1 1		-	1 5	1 1 1 1

as follows:—30:2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37:1, the parishes of Warlingham Falley in Godstone sub-district, except the parish of Ashtead (pop. 1,351); 37:1, the parishes of Warlingham district, except the parish of Esher (pop. 2,282); 41:3, Chislehurst district, except the parish of Esher (pop. 2,282); 41:3, Chislehurst deld sub-district; 187:1, Chigwel, sub-district, except the parish of Esher (pop. 2,282); 41:3, Chislehurst deld sub-district; 187:1, Chigwel, sub-district, except the parish of Theydon Bois and part of the parish of Epping (1,079); 189:1, the parish of Dagonham in Romford sub-district; also deaths in Workhouses and Hospitals for the Cuter Enirg in 42:2, Day-Hard (1,079); 189:1, the parish of Esher (1,079); 189:1, the parish of Dagonham in Romford sub-district; also deaths in Workhouses and Hospitals for

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 18th February, 1899.

				L RATE			The DE	ATH	s regi	stere	l in th	e We	ek ind	slude	:
GREATER	Area	Population estimated	of Mon per 100	TALITY Dliving.	DEATHS	Dear	ths of				Deatl	ıs fro	m		:
LONDON	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles,	Scarlet Fever.	Diphtheria,	Whooping-	Fever.	Diarrhosa,	Violence.
Cols.	1.	2.	3.	4	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	18.1	1.5	2270	467	737	_	38	6	58	54	18	16	94
INNER LONDON -	74,672	4,546,752	19.3	1.6	1686	328	531	_	27	4	40	38	16	11	79
OUTER RING -	368,749	1,981,682	.15*4	1.4	584	139	206		11	.2.	18	16	2	5	15

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

			terror i	in certain	TOMBIGH	OTTIMO:						
1	3 2 13 17	POPULATION				ANNUAL	DE	ATHS	FROI	M PRI	SES.	L ZYMO
	CITIES	(enumerated	DATE OF RETURN.	BIRTHS.	DEATHS.	DEATH- RATE	Small-pox.	68.	let r.	Diphtheria	Whooping- cough.	er.
		or estimated).	Week ending	Exclusive	of Stillborn	per 1000 living.	all-l	Measles.	Scarlet Fever.	obth	door	Fever.
		1-					Sm	M	0214	Dir	WI	
		900 097	February 18	143	150	26.1		2	1	1	10	-
	EDINBURGH - GLASGOW	298,927 733,903	February 18	478	452	32.0		5	7	1	11	6
	DUBLIN	349,594	18	181	183	27.3		-	-	2	4	2
	CALCUTTA	466,460	January 7		314	384	-	. 1	-	· -	-	112
	BOMBAY -	821,764	., 31	250	1559	98.7	3	44	?	. ?	? .	664‡
	MADRAS	452,518	,, 13	271	372	42'7	17.	5	?	. ?	?	43
1	PARIS	2,511,629	February 11	1106	1087	21.5	1	26	1	12*	12	4
	BRUSSELS	551,011	, 11	262	225	21.6	-	11		3*	5	5
	AMSTERDAM -	512,758	4	295	136	13.8			-	-	5 · 5	-
1	ROTTERDAM -	306,439 196,325	* , 7   4   4   4	270 122	110 76	18.6 19.8	-	3		1	2	1
1	THE THE		"	197	149	22.5	-	8	3	2	1	
1	COPENHAGEN - STOCKHOLM -	345,000 283,550	4, 4	197	149	22°5 26°4		5	5	6*	1	1
	CHRISTIANIA -	2 3,337	, 11	98	101	25.3		-	-	-	-	1
	ST. PETERSBURG	1,132,677	4	686	588	27.1	1	5	15	25	4	25
	Moscow	988,610	4		524	27.6	. 4	15	15	6.	1	2
	BERLIN	1,805,054	January 28	878	599	17:3		3	7	14	15	-
1	HAMBURG	675,351	February 11		206	15.9	1-	-	1	7.0	5	
1	DRESDEN	388,300 406,012	December 31 February 11		121 237	16·3 30·4	1.7	1	4	1* 4	3	1
	MUNICH	406,012	February 11		188	22.0		-	-	-	2	7
	VIENNA	1,606,629	" II-	849	747	24.2		10	2	21*	2	1
١	PRAGUE	380,497	,, 4	.229	173	• 23.6	-	6	2	6	-	4
	BUDA-PESTH -	666,722	4	462	323	25.2	-	.4	3	5*	. 1,	5
	TRIESTE -	165,913	35. 4.	111	107	33.5	-		1	404	-	1
	ROME	500,610	January 28	260	197	20.5			~~	1	2	. 5§
	TURIN (10 days) VENICE	344,203 169,883	February 4	85	94	28.9	_	- 8	1	5*	1	7
	CAIRO	570,062	1 contains , 4			. 200						
-	ALEXANDRIA -	319,766			_		_	/	_, .	-	- ,	1 1
1	NEW YORK											
-	(including BROOKLYN)	3,550,053	January 28	1680	1245	18:3	-	13	11	30	8.	:6
	PHILADELPHIA	1,266,832	February 4	-	512	21.1	-	474 ×	-	22	1	38   -
					1							

Including deaths from croup.
 Including 51 deaths from cholera in Calcutta, 3 in Bombay, and 1 in Madras.
 Including 540 deaths from plague.

_	_	Ozone.		0.0	3.0	0.0	0.0	0.0	0.0	0.0	F-0	36	1		of and	e n is n	2 8 8 2	nd pt	i i		. A	::::4	_
n +	a second		hes rod.									25		he se	neans et bu rectio	for the	Table	vemer 875.	omete	moderate	e wee	e 15th	
Rain	ina	whose receiving	5 inches above the Ground.	ii.	0.12	90.0	0.19	0.14	0.00	0.00	Sum 0.73	CI		el of t	The m	1868 rmon d mi	om th	al moding l	herm	. moor	of th	e san on the	
		son's.	Departure from Average of 16 Years.	Miles. +387	+480	+ 94	96 -	- 44	-139	- 292	Sum +460	24		iean lev	el. 1. P.W. '; and t.	ending ulb the ulm an	luced fr	orizonte rears en licates	ofthet	weak; m.	ansnine ginning	f. on the	
.8.		Robinson's.	Horizontal Los of the Air on each Day.	Miles.	790	399	202	254	157	73	Sum 2580	23	nidniahi	ve the m	sealev I., and 91 nometer ne applie	years e dry b	re or our	the 16 years that the 16 years	lexerro	w. w.	lay.	y 9h. P.h 70 in. b	
nometer		16	Mean of 24 hourly obs.	lbs.	2.5	9.0	0.0	0.1	0.0	0.0	:	137	10++0	etabo	ther ther by the	wenty of th	midit	and the	thein	gative	each ceach cin.	to 29	
m Aner		Pressure on the	Least. 1	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	- 55	Si wig	159 fe	to rection; bulb values	the tading	of bu	1890, 1890, recon	edfor	T. ne	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o 2973( cased nd in	
nced fro		Pressi	Great.	lbs.	33 d	13.5	1.1	\$7 \$1	27	0.0	:	98	0.00	eter is	A.M.; 1 A.M.; 1 e dry daily	uring an re read	legree rmom	ending metri	orrect	ve;	sunshi	ased to incit	
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	SW. WSW.	SSW. &SW.	SW, SSW.	SSW. S. &	WSW. &	SE. & ESE.	ENE. E. & ESE.	& ESE.	19	ing your	of the barom	taken at 9h arometer, the	neter, and described described mean of the	erature and wet bulb the	the 50 years of the anemonal 24 it will be	in 17 arenote	e:-P. positi	o, derived front n of bright s neter decreas	e 12th: incre on on the 13th A.M. on the 1	
		General Direction.	А.М.	SS W	×	SSW. &SW.	S. & SSW.	W., WNW.	SSE, SE.	ESE. & E.	SSW.	18	o of to the	The height of the cistern of the barometer is 159 feet above the mean level of the sea;	to correction has been applied to the readings to reduce to eas lovel.  Observations are usually taken at 9h. A.m.; noon; 3h. P.m., and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections and from a discovering the eye-readings.	carding 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is confined the theory of the dry bulb thermometer is confined the forested mean of the readings of the maximum and minimum thermometer for the corrected mean of the readings of the maximum and minimum thermometers for the confined the confined to the confined	mean daily dew point temperature and degree of immidity are deduced from the mean daily dew point temperature and degree of immidity are deduced from the mean daily values of the difference of	made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and	The valuesgiven in column 1 are not corrected for the index error of the thermometer.  The valuesgiven in column 1.	The symbols employed are:—P. positive: N. negative; w. weak; m. moderate; s. artong; and v. variable.	gate duratio	to 2948 in by Ih. P.M. on the 12th: increased to 2930 in. by 9h. P.M. on the same day, decreased to 2994 in. by noon on the 13th: increased to 2970 in. by noon on the 13th: increased to 2975 in. by 2h. A. on the 14th: and increased to 2956 in. by the end of	
RE.		Of the Earth	below the Surface.	94.66	44.91	45.05	45.10	4545	45.20	45.00	10.97	17	o anita	esuns a	vations -readir	1873 for neters.	uily dev	Green ir from ding co	lues gi	mbols	eading eading	in. by ] rd to 29 ed to 29	k.
TEMPERATURE,			Lowest on the Grass.	39.0	7.07	38.5	33.0	31.0	30.0	8.8.9	34.4	16	Tho 1	Theb	no correduced the corresponding to the correspondin	ending thermore combine	mean da daily va	made at of the aj In rea	The ve	The syl	show th The r	to 29.08 decrease decrease	the week.
TEM	ò	Radiation,	Highest in Sun's Rays.	. 0 82.0	9.98	82.1	67.3	84.1	0.001	2.92	82.7	15				evening; wind at	in	M. :					
	Degree	midity (Satu-	ration equals 100).	7.1	73	<u>21</u>	98	78	84	86	- 5 <u>2</u>	14	U	i.	Strong gusty wind	ll even	showery, Gusty wind	cloudy till lih. A.M.: Rain at night. Solar ut the day. Mild.	early morning	ess. S	afterwards.		
ween			Least.	2.7	2.7	1.8	0.5	1.0	0.2	0.0	133	13	MARK	MAIN	trong	win ti	Gust alo	ly till at n e day.		cloud]	cloudy		
Difference between	remper Jew Poi	remperature.	Great-	0 11:3	10.9	9.8	8.4	13.2	10.6	5.5	8.6	12	rad 1	L ME		uent 1	very.	cloud Rain out th	rain in ds.	morn			
Differe	the Air Temperature and Dew Point	Ten	Mean daily value.	0.6	8.4	5.3	4.0	6.4	4.5	0.2	5.4	11	SHANDO I DEMANDES	NEWA.	showe d.	frequences wards nild.	shor	ne day rtially ards. rough	ith ra wards	d generost in	evening;		
		point.	Mean daily value.	38.6	6.14	42.3	42.4	96.9	40.9	2.07	40.5	10	(H.C.)	125	y and t. Mil	Cloudy with frequent rain till riable afterwards. A gale of ght, Very mild.	y and	mes during the day. Fine and partially oudy afterwards.	Overcast with ary fine afterway	ine an	ngat. till e		
E E			parture from Average of 50 years.	0 + 7:1	+11.1	+ 8.4	8.9 +	+ 3.5	9.9 +	+ 1:3	+ 6.3	6			Cloudy and showery.	Cloudy with frequencial variable afterwards, night, Very mild.	Cloudy and showery, Gearly morning, Solar hall	"mines unting the day, mind. Fine and partially cloudy till, cloudy afterwards. Rain at ni halo visible throughout the day,	Overcast with ravery fine afterwards.	Very fine and generally cloudless. Slight fog and hoar frost in morning. Faint lunar	nalo at night. Fine till e Foggy.	}	ı
RATURE.	4	i  -	Mean daily yalue.	. 0. 45.6	49.9	47.6	46.4	43.3	45.4	41.0	9.GF	8.	above rizon.	nours.	8.6	8.6	6.6	10.0	10.0	10.1	10.1	Sum 69.7	29
TEMPERAT	Of the Air	T CHE W	Daily Range.	. 0	8.7	8.8	9.11	12.5	19.0	15.4	11.7	7	red Sur	1 E									-
			Low- est	42.8	45.7	43.2	39.7	37.8	36.0	34.4	39-9	9	Registered Sun above Sunshine Horizon.	nou ui	3.0	1.5	0.8	6.0	2.4	8-7	1.7	Sum 220	28
			High-	48.9	54.4	52.0	51.3	50.3	55.0	49.8	2.19	2			till till ene-	P.M.; fter-	-vono	P.M.; fter-	till fter-	- jut	ully;		
METER.	Mean	reading (cor-	and re- duced to 32° Fahren- heit).	in. 29:155	29.091	29.452	29.660	59-796	29.872	59-893	29.560	4	ELECTRICITY.	symbols, see Note.)	bill 5h. N nd v. N w. P. g	erwards till 2b. 1 v. N. a		till 8h.	nd v. N.	hrough	general m. P.		27
	The same	ofthe	Moon,	In	Equator	:	:	:	First			3	ELE (For ex	oquas	w. P. till 5h. A.M.; v. P. and v. N. till 3h. P.M.; w. P. gene-	w. P. till 2h. P.M.; v. P. and v. N. after-	w. P. with sional v. N.	w. P. till 8h. P.M.; v. P. and v. N. after- wards.	v. P. and v. N. till 5h. A.M.; w. P. after-	warus. w. P. throughout	w. P. generally occasional m. P.		
			0	12	13	14	15	16	17	18	1	- u	-	,.	_ [2]	13	14	12	16	17	18		8.
	1899.		MONTH AND DAY	FEBRUARY.	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	FEBRUARY	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY -		No. of Col
_	-			02	A	-	K		14	02	4	4			02	4	H	K	T	H	002		4

LONDON:

PRINTED FOR HER MAJESTY'S STATIONERY OFFICE.

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1899.

## OFFICIAL COPY.

### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 8. 1899. Vol. LX.7 WEEK ENDING SATURDAY, FEB. 25. [Price  $1 \frac{1}{6}d$ .

General Register Office, Somerset House, February 27th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 20.6 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :-

		Weeks	endin	g			Weeks	endin	g
Towns.	Feb.	Feb. 11.	Feb. 18.	Feb. 25.	Towns.	Feb.	Feb 11.	Feb. 18.	Feb. 25.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	22·6 22·2 15·8 19·6 16·6 13·1 15·8 18·0	19·5 22·2 16·6 24·4 17·0 14·0 21·8 11·1 16·8 15·1 20·1 18·1 20·3 16·1 16·2	17·9 16·5 17·9 16·6	18·8 32·0 22·5 21·2 18·2 15·4 13·8 16·3 18·4 20·1 19·1 15·5 20·7	Portsmouth - Preston - Salford Sheffield - Sunderland - Swansea -	- 15:1 - 25:1 - 23:2 - 23:2 - 14:3 - 17:0 - 22:1 - 15:3 - 19:2 - 20:3 -	2 30·5 4 22·8 2 25·0 6 19·4 8 15·7 6 24·4 1 25·2 6 20·2 1 20·0 2 32·4 8 22·7 8 19·6 2 27·9 1 22·1 6 16·3	27·9 19·3 23·4 21·4 15·2 17·2 20·4 20·7 14·5 28·8 27·7 20·5 23·6 19·1 16·3	26·7 21·5 25·8 20·1 12·9 17·6 20·1 22·8 15·3 22·2 19·6 23·3 20·1 15·3

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in West Ham, 1.3 in Bolton, and 1.5 in Manchester; from whooping-cough, 1.1 in Bradford, 1.4 in Sunderland, and 2.7 in Birkenhead; and from "fever," 1.9 in Black burn and 2.3 in Wolverhampton. In none of the thirty-three towns did the death-rate from scarlet fever or from diarrhæa reach 1.0 per 1000. The 100 deaths from diphtheria included 29 in London 12 in Leeds, 11 in Swansea, 9 in Sheffield, 6 in Liverpool, 5 in Blackburn, 4 in West Ham, and 4 in Birmingham. No death from smallpox was registered in any of the thirty-three towns.

## LONDON.

In London† 2752 BIRTHS and 1875 DEATHS were registered. Allowing for increase of population, the births were 34, and the deaths 88,

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Motropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19·4, 22·8, and 19·3 in the preceding three weeks, rose again last week to 21·5. During the four weeks ending on Saturday last the death-rate averaged 20·8 per 1000, being 0·6 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1875 deaths included 32 from measles, 7 from scarlet fever, 29 from diphtheria, 55 from whooping-cough, 1 from typhus, 13 from enteric fever, 10 from diarrhea and dysentery, and not one death from small-pox, from any ill-defined form of continued fever, or from cholera; thus, 147 deaths were referred to these diseases, being 54 below the corrected

average weekly number.

The deaths from measles, which had been 22, 21, and 27 in the preceding three weeks, further rose last week to 32, but were 23 below the corrected average; 6 cases belonged to St. Pancras, 5 to Islington, and 4 to Clerkenwell sanitary areas. The deaths from *scarlet fever*, which had been 8, 7, and 4 in the preceding three weeks, rose again last week to 7, but were 7 below the corrected average. The deaths from diphtheria, which had been 32, 49, and 40 in the preceding three weeks, further fell last week to 29, and were 13 below the corrected average; 4 cases belonged to St. George Southwark, and 3 to Newington sanitary areas. The deaths from whoopingcough, which had been 50, 45, and 38 in the preceding three weeks, rose again last week to 55, but were 9 below the corrected average; 9 cases belonged to Lambeth, 5 to Kensington, and 5 to St. Pancras sanitary areas. The fatal cases of enteric fever, which had been 10, 20, and 16 in the preceding three weeks, further fell last week to 13, but were 5 above the corrected average. The death from typhus was that of a man, aged 51 years, who had been removed from Minto Street, Bermondsey, to Guy's Hospital. The deaths from diarrhæa, which had been 10, 15, and 11 in the preceding three weeks, were 10 last week, the corrected average being 16. deaths referred to diseases of the respiratory organs, which had been 348, 481, and 413 in the preceding three weeks, rose again last week to 484, but were 50 below the corrected average. The deaths attributed directly to influenza numbered 113, having been 22, 50, and 74 in the preceding three weeks.

Different forms of violence caused 68 deaths, concerning all but 1 of which inquests were held. Of these 68 deaths, 12 were cases of suicide, while the remaining 56 were attributed to accident or negligence. Four of these were referred to vehicles in the streets, 1 to a conflagration, 1 to the effects of chloroform administered for surgical purposes, and 14 (of infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS\*.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2 cases of small-pox, 2575 of scarlet fever, 1394 of diphtheria, and 215 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 241 cases, against 265, 253 and 202; of diphtheria, 149 cases, against 184, 177, and 179; and of enteric fever, 23 cases, against 13, 42, and 30.

## GREATER LONDON.

In Greater London 3916 births and 2407 deaths were registered, corresponding to annual rates of 31.3 and 19.2 per 1000 of the estimated population. In the Outer Ring 8 deaths from measles, 3 from scarlet fever, 16 from diphtheria, 10 from whooping cough, 5 from "fever," and 2 from diarrheea were registered. Six deaths from measles and 7 from diphtheria occurred in West Ham district.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30°11 inches, and that of the Thermometer 40°7; the latter being 1°0 above the week's average in the 50 years 1841-90. The direction of the wind was easterly, the horizontal movement of the air being 23 per cent, below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 38°9 hours; the measured rainfall amounted to 0°02 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous

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Annual Rate per 1000,	to the Week's Deaths.	IIA masau	g)	17.	9.02	21.2	15.3	18.2	15.3	22.8	10.1	20.1	15.9	18.8	17.3	17.6	20.1	20.4	20.7	0.77	5 67 67 67	20.1	13.8	21.3	20.2	15.5	21.2	19.6	17.1	23.3	19.1	20.1
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Registered	the Week 5th Febru		BIRTHS, DEATHS.	2.1	0069	2752	180	53 63	106	59	195	09	89	359	69	118	300	09	418	94	363	17	51	68	37	46	107	269	151	66	75	157
	POPULATION	edilineeu to the middle of the Year 1899.**		1.	11,404,408	4,546,752	300,241	123,226	190,741	100,637	320,911	103,722		514,956	113,266		106,401	115.162	634,212	162,221	543,902	150,772	113,081	135,154		97,721			984,169		- 106,552	- 228,625
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TABLE 2. LONDON.—Births and Deaths Registered in the Eighth Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2695	2702	2622	2694	2527	2587	2787	2497	2727	2644	2786·2	2752
	1341	- 1323	1315	1371	1265	1337	1412	1345	- 1376	1345	1413·0	1470
	1354	1379	1307	1323	1262	1250	1375	1152	1351	1299	1373·2	1282
TOTAL Deaths - Males Females	1567	1847	2042	1829	1629	1663	2863	1705	1627	1889	1963·4	1875
	762	934	-1050	930	857	858	1384	858	821	942	988·6	976
	805	913	-992	899	772	805	1479	847	806	947	974·8	899

<sup>\*</sup>The numbers in this column are the average weekly numbers in the eighth week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

	Dec.	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.	Feb. 11.	Feb. 18.	Feb. 25.
TOTAL Births	2575	2577	2519	2422	2215	2893	2435	2811	2686	2696	2802	2862	2752
TOTAL Deaths	1569	1447	1423	1470	1593	1666	1568	1503	1381	1690	1991	1686	1875
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Ages at} \\ \textbf{Death} \\ \end{array} \begin{bmatrix} \textbf{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ -20-20 & \cdots & - & - \\ 20-40 & \cdots & - & - \\ 40-60 & \cdots & - & - \\ 60-90 & \cdots & - & - \\ 80 \text{ years and upwards} \\ \end{bmatrix}$	362 203 78 190 297 349 90	289 166 77 196 320 331 68	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130
Deaths from—  Small pox	25 9 43 28 - 21 - 17	22 11 43 22 1 26 - 19	31 6 40 26 - 19 - 13	24 14 46 21 - 21 - 19	31 12 47 32 - 15 1 14	27 11 30 41 - 17 13	27 8 34 37 10	30 8 30 40 - 16 - 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10 -	21 7 49 45 20 - 15	27 4 40 38 16	32 7 29 55 1 13
All the above Diseases =================================	143	144	135	145	152	139	127	134	123	133	157	136	147
Dis. of Respiratory System—Phthisis—————————————————————————————————	340 161 145 76 179 446	295 156 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 188 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	44·1 47·6 39·5	49·4 52·7 45·1	48·0 51·9 43·0	40·1 45·3 34·6	43·3 48·1 36·8	42·0 46·9 36·2	45.0 50.7 39.8	47·4 51·9 41·9	38·2 43·2 33·7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 39.9	40.7 48.2 34.0
Humidity of the Air	85	83	83	80	84	87	83	84	80	83	8,3	82	: 81.
Rain-fall (in inches)	0.26	1:34	0.00	0.03	0.81	0.24	1.03	1.00	0.08	0.18	1.19	0.72	0.02
Registered Sunshine (in hours)	5.6	6.7	0.8	12.9	14.0	5*6	20.3	3.3	35.81		10.5	22.0	.38.9
CASES OF INFEC		SICKN	ESS IN	Hos	PITALS	* AT '	THE E	ND OF	EACH	I WEI	ck.	,	
Scarlet Fever	3142 1274 286	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	2777 1257 250	2749 1304 243	2679 1368 249	2665 1377 229	2642 1378 228	2587 1403 231	2575 1394 215

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M. D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. 3 bobbyer Esq., M. E., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R. C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

TABLE 4. LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the

					Eı	GН	тн	W	eek	: 0	of the Year 1899.									
	for the		II Satur	the	Wei 25th	ek er Feb	ndin ruar	g y 18	399.	-		r the years	S	atui	In the	e W	eek e	ndin	g y 189	9.
AUSES OF DEATH	the	_	De	aths tl	of I	Perso ges	ns	f			OLUGER OF DELEN	tres for the 10 38*.		D	eath	the	Personal Ages	onso	f	
AUSROUP DRAIR	ected Average Week of 1889-96	ES.	1	Inde:	r	under 40.	under 60,	under 80,	and	LD.	CAUSES OF DEATH	Averages of the 1889-98*,	SS.	_	Und 20,		under 40.	der 60.	under 80.	and 8.
	Corrected 8th W	ALL AG	1-0	1-5.	-5-20.	20 and un	40 and un	60 and un	80 years	THE PERSON NAMED IN		Corrected 8th Week	ALL AGES.	0-1,	1-5.	5-20.	20 and un	40 and under 60	and	8c years upwards.
GAUSES	1963.4	1875	351	<b>24</b> 5	104	248	364	43	3 130	CACAMILLA AND AND AND AND AND AND AND AND AND AN	Diseases of Circulatory }	167.8	172	3	1	12	30	46	70	10
II- {Vaccinated + Unvaccinated X   No Statement   les   les   lus   lus -   lus   lus -   lus   lus -   lus   lus -   lus -   lus   lus -   lus	0.5 0.2 0.2 54.8 14.3 0.2	32 7 1	5	26 5	1 2 -		- 1	111111		WAS DESIGNATION OF THE PROPERTY OF THE PERSON OF T	Croup	8.0 320.4 154.9 6.7 38.2	277 160 10 37	- 48 41 1 6		1 8 1 2	5 16 3 5	38 27 3	121 21 1 10	33 3 -
ping-cough	37:8 64:1 41:5 0:6 8:4 	113 55 29 - 13 - 10	16 - - - 5	7 36 20 - 1 - 3		18 - 5	28	29 - - - - 1	21 1	NATIONAL VIOLENCE CHARLES INVO AND COLUMN SANDON	Dentition Quinsy, Sore Throat - Enteritis Peritonitis	12·2 1·7 13·2 5·7 26·7 30·3	6 18 7 27 25	13 - 1 5		2 2 4	- 2 3 7 5	- 1 15 7	- - 1 2 4	111211
ttent Fever ophobia lers oox and Effects of cination } real Affections	0·1 - 0·2 11·7	50	- 3				1	- 1	1 1 1 1 1		Diseases of Lymphatic System & of Ductless Glands	3.1	3	_			1	_	2	21.
pelas nia and Septicæmia peral Fever r Zymotic Diseases	3.8 2.0 4.2 2.4	2 6 4 2	2 -	1 -1		- 4 -	1 - 1	2 -	1 -		Diseases of Urinary System 3	47.7	69 —		 	1	11	21	34	2
sh	0.8	-	-	-			_		-		Diseases of Generative } System	5.7 5.7	8 4			1	2 4	2	2	1
pal Diseases - )							_				Diseases of Locomotive }	7.7	8	-	1	3	3	1	-	-
ation, Want of ast-milk	1.8 10.3	1 12	-1	1 1	-	2	7	3	-	NAME OF TAXABLE PARTY.	Diseases of Integumen-	5:3	6	2	-	-	-	-	3	1
matic Fever, eumatism of Heart } matism =	8.5 2.3 3.7 6.2 75.8	8 1 2 6 65		- 5	2	3	1	2 2 2 2 4	1 - 1		VIOLENT DEATHS.;  (ACCIDENT.)  By Railways By Vehicles or Horses -		- 4	-	-1		2			- 1
Mesenterica cular Meningitis - sis rola, Tuberculosis - Constitutional cases	19·9 23·8 186·2 20·2 14·0	13 19 175 21 15	5 8 2 3	8 3 13	2 2 10 3 -	1 79 3	1	10 6	11111		In Ships, Boats, Docks, (exclusive of Drown- ing)	} <b>6</b> 5 <b>.2</b> ⟨	2 2 1 10	- 2	- 4	1 - 2		1 -	1 1	
ature Birth	49·1 3·3 7·4 62·8	51 6 5 46	51 6 5		-	-		- - 15 -	- 31	Ш	By Drowning - By Suffocation in Bed - By Poisonsor Poisonous Vapours - Other or not stated causes -		3 14 2 18	1 14 - 3	- 2	3	1 3		1 3	2
exy	49.5 5.6 46.9 100.8	52 10 36 92	- 34 6	- 1 2 13	3	3 1 - 4 2	3 -	25 2 - 29	10 - 7		(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.4 6.8	12.		-	1.1.1	2	-6	4	
ses of Organs of hial Sense -	3.8	CC People of absences	-	1	-	1	-	1		of Constitution of Street, or	OTHER CAUSES	56.9	52	50	1	-	-	-	-	1
ne numbers in this col	lumn are	the	aver	age	We	ekl	y d	eat	hsf	or	the ten years 1889-98, raise	ed by 5'2	13 pe	r c	ent.	for	in	erea	se	-!

pulation.

It those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered as men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." so evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of each, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-FOX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE, &c., registered in ex SUB-DISTRICT during the Week ending Saturday, 25th February, 1899.

			Deaths of Deaths from  Deaths from    Deaths from   Deaths														
	Enume-			Dea	ths of				1	eath	fron	n					ations.
REGISTRATION SUB-DISTRICTS.	rated Popu- lation; 1896.	Total BIRTHS.	Total DEATES.	Infants under 1 Year of Age.	ons aged 60 d upwards.	Srasll-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases.	Peathain Public Institutions.
LONDON	4,411,710	2752	1875	351	563	-	32	7	29	55	1	13	-	10	68	151	556 — —
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	432 592 139 534 1055	329 418 123 321 653 31	54 54 23 80 139	118 140 24 63 208	11111	1 15 6 6 3	1 - - 5 1	4 5 3 4 13	12 9 3 6 25	- - 1	2 4 2 1 4		3 1 2 - 4	12 12 1 21 21 22	29 32 4 50 36	103 108 45 107 162
WEST DISTRICTS.																	
$\left. \begin{array}{l} \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \end{array} \right\} \qquad G. \& \text{W.}$	90,996 <b>33,</b> 510	46 11	44 11	7	19 3		-	-	-	1 -	- - -	-	-	1 -	1 2	2 2	11 8
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	14 56	15 72	11 1	30 8		-	-	-	4	-	-	-	-	1	3 2	31 1
St. Peter Hammersmith - W. St. Paul Hammersmith HH W. & G. Fulham Ww W. & C.	9,097 35,102 113,781	67 91	21 51	$\begin{array}{c} \frac{1}{4} \\ 13 \end{array}$	3 5 13		-	- 1	- 4	2 -	-	1 -	-	- 1	1	1 1 2	17
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH - C.	21,450 42,057 33,139	13 17 23	8 20 11	1 2 2	3 7 4	- - -	1		-	1 1 1	1 1 1	-	-	-	1 2 -	3 4 1	7
May Fair W G. Belgrave WHHH C. St. John Westminster HH - C. St. Margaret Westminster H- C.	23,827 56,140 31,492 22,097	8 34 28 4	7 28 8 10	1 4 2 2	3 6 4 4			- 1 - 1		1 -		- - 1		1 -	1 -	4 1 -	6 9 1 3
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N.	23,050 12,048	13 7	15 4	3 -	6 -	-	-	-	7-	-		-	-	-	1	2 1	1
NORTH DISTRICTS.  All Souls Marylebone  - W.  HHHHHHHHHH  G. & W.  St. Mary Marylebone  G. & W.  HHHH  Christchurch Marylebone  H - W.  St. John Marylebone  HHH  W.	36,595 19,798 19,637 32,547 32,611	4 12 36 11 20	19 12 8 15 11	2	5 3		1	-		1		-	-		1 1	1	7
Hampstead   - N. & W.			19	U		-	1	-	2	1	-	1	-	-	-	-	7
Regent's Park Pancras HH - W. Tottenham-court   N.&W WHHHHH Gray's Inn Lane HHHH - N. Somers Town HH - N. Camden Town WH - N. Kentish Town WW - N	26,757 29,426 32,161 16,669	11 13 13 14	11 11 20 12	02	1	-		-		1 1 2 -	- 1 - 1 - 1	-		-		1 2	
Upper Holloway	107,365	62	3	) ,	9   26 7   11 7   11 2   9	-	1 3		-		-	_	l -		9 22 -	4 5	_
Stoke Newington H - N North Hackney - E. & N Central Hackney ww - E. & N South-west Hackney HHH E. & N South-east Hackney WwH E. & N	213,04	24	1	3	$   \begin{bmatrix}     1 & 2 \\     3 & 4 \\     2 & 6 \\     2 & 11   \end{bmatrix} $		- 1	-	. 8	-	1 -		1 -	-	]	1 2	

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. R man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Jun Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. London; and K. the Kent Company.

See note † on first page of this Return

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday 25th February. 1899—continued.

SUB-DISTRICT during the Wee	k ending	Satur	day :	25th	Feb	ruai	ry. 1	899-	co	ntin	rned							
							The	DEA	THS	egist	ered	durin	g the	Week	incl	ade	- CO 1	
	Enume-			Deat1					- I	eaths	from	n :					itution	N OF
REGISTRATION SUB-DISTRICTS	rated Population 1896.	Total BIRTHS.	700	Infants under I Year of Age,	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoes.	Violence	Inquest Cases.	Deaths in Public Institutions	Uncertified Causes Death.
CENTRAL DISTRICTS.																		_
George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	11 5 8	3	1 -	2 2 -	-	-	-	1 1			-	-		1	2 -	3	1 1
Martin-in-the-Fields HHN.&C. rand WHH N. and Union Workhouse, Edmonton	13,077 11,839 +1,037	10	$\begin{array}{c c} 2\\11\\2\end{array}$	1 -	42	-	-	-	1 -	-	-	1 -		1 1 1	1.1.1	ī	2 5 2	1 1 1
olborn wHHHHHHH - N. James Clerkenwell - N. nwell Clerkenwell - N. swell-street - N. ty-road HHHL - N. titecross-street - N. nsbury - N. olborn Union Workhouse.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	14 11 21 19 20 4 1	24 6 12 11 11 2 1	7 3 2 5 1	2 3 2 - 1	111111	1 2 1	1111111	1	2 1			-	1	1111111	1	11 4	1 2 2 -
Botolph $H$ N. & E. ipplegate N. & E. Sepulchre $WH$ N. Ihallows Barking N. coad Street $H$ N. ty of London Asylum, Stone	6,870 8,299 9,591 9,059 2,892 †388	42221	3 19 3 - 2	1 1 -	4		1 -	-			-	1 -	-	1	+1111		14 - 2	1 1 1 1 1
EAST DISTRICTS.  noreditch South $Hl$ - E. & N. oxton New Town $w$ N. aggerston $WH$ N. & E.	29,575 27,645	11 18 25 31	3 12 11 28	1 3 3 6	- 4 2 4		- 1	-	- 1	- 1			-	-	- 1 2	1 1 2 6	4.	. 1,11
ethnal Green North $H$ - E ethnal Green South E ethnal Green East $WHl$ - E	34,194	51 27 31	15 11 24	2	4 2 7		1 1				-	2 -			$\frac{1}{1}$	3 2 4	1 13	1 1 1 1
pitalfields E & N lile End New Town* WH - E oodman's Fields* E	26,681 51,995 {	13 23 8	6 45 4	8	5 1				. 1	1 -	-	-	-		3 1	1 3 1	41	
t. George's North E t. John, St. George East W E		41 7	13 5		2 1	-		-	-	2 -	-	-	-	-	2	2 -	3	1.1
hadwell $H$ E. & N atcliff $W$ E imehouse E	. 14,954	9	13	2	1 2		- - 1		- 1	1 -	-	- 1 - 1	-115		3	4	3 -	
file End Old Town West H E file End Old Town East C E	1 2 111,000	{ 50 37	16			opposite a supplication of the supplication of	ī	-	ī		-		-	-		3	7	-
Sow l E Bromley wwwH E Poplar WW E	. 41,687 69,821 57,759	24 51 48	4:		13		1 -	-		1		1	-	1 5 %	- 61	11 3	-21	

TABLE 5 LONDON.—POPULATION; BIBTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 25th February, 1899—continued.

							The I	EAT	H8 reg	gister	ed du	ring t	he W	eek i	nclud	е	
en e	- Enume-			Deat	nsof				D	eaths	fron	1		_		•	tions
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Тота! Вівтнв.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhosa.	Violence.	InquestCases.	Deaths in Public Institutions
SOUTH DISTRICTS.  Christchurch Southwark W HL.&S. St. Saviour Southwark S. Kent-road S. & L. Borough-road WH - S. & L.	13,064 12,301 22,879 16,083	7 9 14 12	3 3 11 14	1 2 6	215	1 1 1		1 1 1		3	1111			1111	- 1	2	6
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	21,316 28,723 62,045 30,171	9 23 40 18	14 10 22 9	265353	2 7 3		1		1	- 3 -	2011	1111			1 - 1	2 1 1 - 1	5
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	66 32	15 36 19	1 12 4	12 12 4	1.1.	-		111	1	1-	1 -		1 - -	3 1 -	3 2 1	15 3 5
Waterloo-road   HH   - L. & S. Lambeth Church 1st   H - L. & S. Lambeth Church 2nd   WW   L. & S. Kennington 1st   H - S. & L. Kennington 2nd   - S. & L. Kennington 2nd   - L. & S. & L. Norwood   WH L. & S. \	28,396 18,770 40,994 52,486 43,244 81,825 29,318	34 17 27 41 19 41 16	11 18 32 20 13 30 6	522815-	- 4 15 5 3 7 2	111111		2	1	1 1 1 1	F - 1 - 1 - 1	1		- - - 1	22	1 1	3 15 20 - - 5 -
	71,730 93,385 46,953 58,101 20,566 61,644	56 64 24 29 10 50	20 35 15 21 5 27	6 8 3 4 - 8	6 16 6 4 9			÷ 2	- - 1	1 3 -	1			1	1	3	15 1 - 3
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S. L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 57 54 52	1 66 27 15	- 6 7 7	1 28 8 1	1111	- - 1	1 1 1 1	-	1 2 1	. 1 1 1 1	1 -		- 1	1	1 1 2	31
Deptford North K. Deptford Central w K. Deptford South K. Greenwich West H K. Greenwich East WH K.	36,152 45,441 33,402 23,012 37,767	27 25 18 10 19	12 13 9 6 27	2 5 1 2 3	4 3 5 1	1111	11111	1111	- - -	- - 1	111111	11111			1 1 1 2	1 1 1 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	28 28 18	- 5 18 11	4 2	- 4 4 4	1111	- 1 1 1	-	- 6 -	1	1111	1111	1 1 1 1	-	- 1,1-	100	- 8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	7 8 13 6 41	6 6 5 2 15	1 3 - 2	3 1 - 5	11111	11111	1	1		11111	1		1,613,1	11111	ÉLLIE.	1 9
Banstead Asylum Caterham Asylum			6 4 6 - 2 - 2		1	11111		-	-	11111	11111	111111		11116	1111111	4 1 1 1 1 1	6 4 6 - 2 -
Colney Hatch Asylum N.E. Hospital Winchmore Hill Hospital Leavesden Asylum Claybury Asylum	-		2 2 2 5 5	1	1 2	11111	1 -	1 -			11111	111111	1 1 1 1				222 - 215

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 25th February, 1899.

Ð1	iding Saturday, 25th Febru	uary, 18	199.		(1													
4-						Dont	hsof	The	DEA	THS r				Week	inclu	de	b	_
n of	REGISTRATION SUB-DISTRICTS,	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1   F	Persons aged 60 E	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death,
ON	NDON-OUTER RING -	368,749	1,422,063	1164	532	108	168	-	8	3	16	10	5	2	18	35	63	10
12	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	17 10	8 5	2	3 2		- 2		-	1	-	Ī	-	1	-5	-
1	Godstone, part of * W -	2,754	1,598	- (	-	1.2	-	1, 7,	-	1, 1	-	241	, _				3	-
12	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	77 20	48	9	19	1 1	-	, <del>-</del> -	-	1	1	1	3	4	3	-
123845	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	16. 22 7 8 9	10 1 4 3 5	1 - 1	3 1 1 - 4				- 1	-	1		11011	1	111111	-
103	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	11 11	6	2 -	1	-	- -	-	-	-	-	-	2	- 2	1	-
777	Bromley HHH	9,127 6,542 14,307	23,815 21,969 20,372	22 15 10	10 9 7	1 2 2	3 1 1		11.1	-		-	F 1 1		1	ī	3 - 2	2
	Bexley HHH Dartford WH, part of * -	12,540	30,590	28	11 2	1	4	-	-	-	-	-	-	-	-	-	2	1
	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	15 11	$\frac{2}{7}$	-	1 3	-		*Z*		To the second	-	-	1		1 1	-
	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	13 2 12	13 2 2	3 1	51		1 1 1	111	1	11.1				1 1,1 5	7	-
	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	17 9 27 16 31	13 5 9 9 16	323238	51353	7	P. L. L. B.	1	1-1-1	11111	11111	1111	11111	1	4	1
	Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	15 1 67 11	5 2 31 7	- 6 2	5282	111111	1111		1	1111	7117	1 1 1 1	- 3	- 3 2		- 2
ш	South Mimms HH Barnet WHH Finchley HHH	21,077 4,688	6,367 14,152 25,820	6 5 15	1 6 3	-	1 4 2	1.1	-			- 1'7	-	1 1 1	-	1	ī	1
40.00	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	44 79 59 34 4 3	25 37 12 8 2 3	1 6 1 2 1	14 9 3 -	11111	-	1	21	3 -	1	1	1 3 -	3321.	3 1 1 1 -	
	Hatfield, part of * W	3,306	582	1	-		-	4	-	-:-	-	-	-	-	_	-	-	
1	Bushey H Watford WH, part of* -	9,331	7,737	4	3 -	1	1 .	-	-		-	-	-	-	-		-	
HOHHIV	Stratford H	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	34 68 53 25 69 64 46 8	11 25 27 19 19 34 15	6 8 4 4 9 3 4	1 2 6 9 1 13 5		1 3 2		1 2 1 1 2 - 1 1 - 2 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111	1 1 1 1 1 1 1 1	1		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3
E	Romford, part of * WH - lford	6,556 8,493 3,814	4,324 10,913 14,301	3 18 12 -	5 4 3	1 2 1	2 1 1	141			1		1,11.			2 -		- :
	Middlesex Co. Lunatic Asy., Wandsworth	-		-	4	-	1	-	-	-	-	-	7.	_	F.	- 1	4.	
_	Cane Hill.	t	. *	-	1		1	-	-	- /:	-		- 1	-	-		I	1
p	arts of sub-districts included lows: -30: 2 Epsem sub dis	within t	hat portio	n of th	e Metr	onol	itan	Polic	oo Di	atnic	+1	nioh	form	- 47	- 0		-	-1

ollows: -30: 2. Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham theory in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst trict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,087); 135: 1, the parish of Northaw in 179); 189: 1, the parish of Dagenham in Romford sub-district, 187; the parish of the parish of Eppins

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 25th February, 1899.

	k 6								_					the Person named in		-	
1				ANNUA	L RATE			The DI	ATH	s reg	istere	l in tl	ie We	ek inc	lude		
I		Area	Population estimated	of MOR per 1000	TALITY 0 living.	DEATHS	Dea	ths of				Deatl	hs fro	m			1320
	GREATER LONDON.	in Acres.	estimated in the middle of the year 1899.		From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Wkooping-	Fever.	Diarrhoss.	Violence.	The state of the state of
ı	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	
ı	GREATER LONDON	443,421	6,528,434	19.2	1.5	2407	459	731	-	40	10	45	65	19	12	86	6
	INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	21.5 14.0	1.7 1.2	1875 532	351 108	563 168		32 8	7 3	29 16	55 10	14 5	10 2	68 18	.5

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

		and	ın certain	TOREIGN	OITIES.	_						
		-				DE	ATHS	FROI	PRII	SES.	ZYM	OT
CITIES	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoal
	estimated).					Sm	×	02 174	Dig	Wb		Di
EDINBURGH -	298,927	February 25	136	154	26.9		3	1	1	10	2	
GLASGOW	733,903	,, 25	445	355	25.3	-	7	3	2	9.	1	
DUBLIN	349,594	,, 25	264	203	30.3	-		3	-	2.	. 4	
CALCUTTA	466,460	January 14		309	34.5	-	-	-	1	-1	102†	
BOMBAY	821,764	February 7	184	1580	100.0	1	36	?	. ?	?	711†	1
MADRAS	452,518	January 20	-	1	1 2	-	=	-	- :	-	-	
		February 18	1294	983	20.3	-	13	4	4*	. 8	13	
PARIS BRUSSELS	551.011	,, 18		223	21.0		17	1	2*	в	. 2	
1	512.758	11	306	154	15.6	-		1	2	4	. 2	
AMSTERDAM		7,7		113	19.1	-	-	-	5	3	2	
ROTTERDAM -		,, 11	1	58	15.1	-	1	-	-	2	1	
	345,000	1	181	197	29.8	-	4	5	. 1	2	2	
COLEMENT		".	1	190	34.8	~~	3		11*	2	-	
STOCKHOLM CHRISTIANIA	203,337	,, 18		104	26.6	-	-	2	-		-	
ST. PETERSBURG			730	604	27.8	1	7	5	13	8	37	
MOSCOW	1	, 1	- 11	465	24.5	3	. 13	12	6	3	5	1
BERLIN	1	1	4 929	575	16.6	-	7	6	17	8	1	
HAMBURG	1	, 1	8 -	227	17.5	-	-	-	-	9	-	
DRESDEN			7   -	-	-	-	604	-	-	-	-	
BRESLAU		February 1	8   -	263	33.8	-	-	1	- 2	3	1	
MUNICH	445,000	, 1	8   -	200	23.4	-	-	-	1*	3		
VIENNA	1,606,629	,, 1	8 941	790	25.6	-	14	8	17*	6	1	
PRAGUE		,, 1	1 219	215	29.3	-	11	1	5	2	5	
BUDA-PESTH -	666,722	,, 1	1 490	351	27.4	-	5	5	5	-	13	
TRIESTE	165,913	,, 1	1   -	2.4	-	-	-		-		- circ	
ROME	500,610	27	4 257	180	18.7	-	-	-	3	. 1	_1	
TURIN (10 days)	344,203	January 2	0   -	-	-	-	-	,	-	-	-	1
VENICE	169,883	February 1	.8 99	106	32.5	-	9	-	4*	4	77	1
CAIRO	570,062		-	-	-	-	-	17-	-	-		
ALEXANDRIA -	319,766	and a	-	-	-	1	-	-	-	-	-	1
NEW YORK	2 550 052	Fohmore	4 -	1.		-			1	_		
(including BROOKLYN)	3,550,053	February						1.		-		1
PHILADELPHIA.	1,266,832	, "	11	7			1.					
		1			1	1		1	1		1	1

\* Including deaths from croup.
† Including 2 deaths from plague in Calcutta and 588 in Bombay.

\* Including 29 deaths from cholera in Calcutta and 2 in Bombay.

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		Ozone.			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1 38		sea; sea; brasof	tions years r the er is	The	ables.	5.	leter,	rate;	week	
Rain	collected in a	whose receiving	surfaceis 5 inches above the Ground.	1	70.0	00.0	0.00	0.00	00-0	0.00	0.00	Sum 0.03	25		The means of	f correct wenty 1868 for momet	d mini. nmn 8). m ther	brical 12 observa I move	ling 187, higher,	eetrom	m. moderate ne Instrument	of the	
		on's.	Departure from Average of 16 Years.	Miles.	-172	- 75	+135	1	-164	- 190	-120	Sum -486	24		ean leve	ation on the the thornal	air (coluced fre	ygromei nof the	ears encicates	of the tlering E.	weak; m.	ginning M. ota b	
irs.		Robinson's.	Horizontal Movement of the Air on each Day.		124	373	435	252	141	119	194	Sum 1638	23	midnight.	ove the m	he applicated and a years of the dry be	nre of the y are ded	discussion discussion hat of ho	rthe 16 y hat + ind	dexerror elf-regist	N. negative; w. we e Campbell-Stokes Su	at the beg	
momete		ihe i.	Mean of 24 hourly obs.	The.	0.0	9.0	6.0	1.0	0.0	0.0	0.1	1:	- 55	tht to	duce t	s by to program to the program of th	of the peratr	by Gir	ords fo	thein on's s	pbell-	94 in. 8	
om Ane		Pressure on the Square Foot.	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	- 12	aidnia	s 159 fe s to re noon;	value e rece the t	ings of tem of hr	rived f g 1890	icreco e in n	ted for Thoms	N. ne eCam	om 29	
luced fr		Press	Great-	lbs.	9.0	6.5	9.1	2.6	Čį.	9.0	60	:	08	from r	adings A.M.;	daily graphi luring	read ralue degre	bat de	ometr:	from 1	ive;	sed fr	V CCK.
Wind as deduced from Anemometers.	Osler's.	General Direction.	P.M.		SSW.,SSE.	E. & ESE.	盛	E. & ENE.	SE. &	SE. ESE.	ENE. & E.		161	The results apply to the civil day, or from midnight to midnight.	The height of the cistern of the barometer is 159 feet above the mean le no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M., and 9h. P.M. the eve-readings of the barometer the day.	thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1886 for the thermometers. With the corrected mean reading of the dry bulb thermometer is	chubbach the corrected mean of the readings of the maximum and minimum thermometers, forming the meadiny value of temperature of the air (column B). The mean daily deep point temperature and degree of humidity are deduced from the mean	and y success to the try and wet but be thermometers by disashers they memerical Tables,  The average temperature of the air is that derived from a discussion of the observations and each of the observations and the converse temperature of the observations and the converse of the observations and the converse of the observations and the converse of		gyven no column I/ are not corrected for the index error of the thermometer.  t be determined.  of Electricity is derived from Thomson's self-registering Electrometer	the symbols employed are: - F. positive; N. negative; w. weak; m. moderate; S. strong; and v. vaziyalo.  The numbers in column 28, derived from the Campboll-Stokes Sunshine Instrument, show the accreases of maxim of bright smith sunshine on each down	The reading of the barometer increased from 2994 in. at the beginning of the week to 6921 in. by III. At. on the 23nd, decreased to 3009 in. by 4h, P.M. on the 23nd and increased to 4009 in. by 4h, P.M. on the 23nd and	an or the
		General	A.M.		S. SW.	E. & ENE.	E. & ESE.	É	ы́	Variable	ENE. & E.		18	pply to the	the cistern as been app are usually	re converte discussion r the baror With the	corrected forming the	emperature	duncasion lumbs 9 and the averag	which cannot be determined. The record of Electricity in	employed al v. variable. in column 2	of the barollh. A.M. on	ZU sia, Dy vile
R.E.		Of the Earth	Surface.	0	.44.90	44.90	14.04	06.44	14.55	44.16	43.82	09.77	17	esults a	eight of ection b vations -readin	neter, a l from a 1873 for neters.	neters, in the silk dev	rerage to Green	ding co	annesgr annot b ecord o	mbols (grand rand)	eading in, by I	00 00 00
TEMPERATURE		tion.	Lowest on the Grass.	0	\$1 \$1 \$1	40.1	30.2	25.2	22.5	19.0	18.9	27.1	16	The r	The h no corre Obser the eve	thermondeduce ending thermon	thermore	Thear Thear made at	In rea	which cannor	s. strong	The r	Libra Poblic
TEM	Of	Radiation,	Highest in Sun's Rays.	0	54.0	0.00	2.66	101.1	109.3	0.001	1.98	86.5	15	-Martin			fine	day.	slight				
	Degree	midity (Satu-	ration equals 100).		96	96	61	12	69	82	81	18	14	σż	and foggy till 8h. P.M.; variable Great gloom prevalent in	A little misty rain in evening.	very	fine.	and s	ning; sligh	Hoar frost		
ween			Least.	0	0.0	0.0	3.5	÷1	3.4	0.0	0.0	1.3	13	MARK	8h. P.1	rain i	ning; er 5h. 1	very at nig	r halo	in mo	y fine. night.		
ance bet	Temper Dew Poi	n beracu	Great.	0	61	4.6	8.1	14.3	19.0	16.0	0.11	10.8	12	L BE	gy till	misty	mor ess aft	ss; s ng and	Luna frost.	nse fog oar fro	s; ver		
Differ	and Dew Point	191	Mean daily value.	0	Ï	21 20	5.0	8.5	9.5	5.1	5.3	5.4	17	GENERAL REMARKS	nd foggy Great	A little	n early morning; vo	cloudless; morning a	day. Lun Hoar frost,	nd der	oudles		
	Of the Dew	point.	Mean daily value.	0	42.5	C.17	35-1	32.5	31.4	33.5	2.08	35.3	10	GE	cast ar		1714	rally cost in	very fine day. Lunar halo and at night. Hoar frost,	Hoar frost and dense fog in morning; very ne afterwards. Hoar frost and slight fog	rally cl		
RE.		D.	parture from Average of 50 years.		+ 4.0	+ 4:8	2.1 +	+ 1:1	+ 1:1	- 1:3	- 4.0	+ 1.0	6		Overcast afterwards.	at 11h. P.M. Overcast.	Overcast afterwards.	Generally cloudless; a very fine Hoar frost in morning and at night.	A very fine fog at night.	Hoar frost and fine afterwards.	an mgat. Generally cloudless; very fine. and fog in morning and at night.		
RATUE	ir.		Mean daily value.	0 9	43.6	44.3	41.0	40.7	40.9	38.6	36.0	40.7	00	Sun above Horizon, in hours.	10.3	10.3	10.3	10.4	10.2	10.2	9.01	Sum 72.8	29
TEMPERATO	Of the Air,		Daily Range.	0 6	C.80	3.6	9.1	1.91	22.9	24.8	14.4	14.2	7										
			Low- est	0 0	38.	42.8	36.4	32.9	29.5	28.0	7.65	34.0	9	Registered Sunshine in hours.	0.0	0.0	00	6.8	9.8	5.6	7.5	Sum 380	28
			High- est.	0	4 2	46.4	45.5	49.0	52.1	52.8	44.1	48.2	ũ	of e,)	1	ally;	out -	S. P.	1	I	A.M.; P.M.;		
BARO-	Mean	reading (cor-	and reduced to 32° Fahren-heit).	in		30.038	30.154	30.179	30.103	30.127	30.180	30.113	7	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally	gener 7. N. in	w. P. throughout	m. P. till noon; s. terwards.	s. P. generally	s. P. generally	II IIh. III 9h. rwards.		27
	Phases		Moon.	7	Greatest Dec. N.	:	:	Apogee	:	:	Full		က	El.E. (For ex- symbol	w. P. g	w. P. generally; a little w.N. in early morning.	w. P. t	m. P. till n afterwards.	s. P. ge	S. P. ge	s. P. till 11h. A.M.; m. P. till 9h. P.M.; s. P. afterwards.		
				Ş		8	23	22	23	24	25	1	1		19	02	21	হা	<u></u>	젔	55		1
	1899.		MONTH AND DAY	UA	- INDAX	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY -	MEANS	No. of Column	DATE. FEBRUARY.	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
-		-		-10	-				-		92						F.,	-	-		44		

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
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1899.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

# THIRTY-TWO OTHER GREAT TOWNS

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WEEK ENDING SATURDAY, MARCH 4. No. 9. 1899. Vol. LX.] [Price  $1\frac{1}{2}d$ .

> General Register Office, Somerset House, March 6th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 21.6 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000 :--

		Weeks	endin	g					Weeks	endin	g
Towns.	Feb. 11.	Feb. 18.	Feb. 25.	Mar. 4.		Towns.		Feb 11.	Feb. 18.	Feb. 25,	Mar.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield-	19·5 22·2 16·6 24·4 17·0 14·0 21·8 11·1 16·8 15·1 20·1 18·1 20·3 16·1	17·7 17·9 16·5 17·9 16·6 14·9 15·5 20·1 21·5 20·3 12·1	18·8 32·0 22·5 21·2 18·2 15·4 13·8 16·3 18·4 20·1 19·1 15·5 20·7	25·4 20·2 23·9 19·3 19·9 16·4 14·8 13·7 13·1 21·6 22·0 20·3 21·2		Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea		22·7 19·6 27·9 22·1	27·9 19·3 23·4 21·4 15·2 17·2 20·4 20·7 14·5 28·8 27·7 20·5 23·6 19·1	22·2 19·6 23·3 20·1	29·8 22·1 29·6 21·2 19·8 19·4 21·1 16·7 25·3 19·8 22·5 23·3 16·1
Hull Leeds			17·1 18·2	17·8 20·8	l	West Ham Wolverhamp	ton -		16·3 20·0		

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1.0 in Derby, 1.2 in Salford, 2.2 in Manchester, and 4.0 in West Ham; from "scarlet fever," 1.1 in Sunderland; from whooping-cough, 1.0 in Plymouth, in Swansea, and in Bolton, 1.1 in Hull and in Sunderland, and 1.8 in Birkenhead; from "fever," 1.2 in The 96 deaths Wolverhampton; and from diarrhæa, 1.3 in Bolton. The 96 deaths from diphtheria included 48 in London. 7 in West Ham, 7 in Liverpool, 5 in Swansea, 5 in Sheffield, 4 in Blackburn, 4 in Leeds, 3 in Portsmouth, and No death from small-pox was registered in any of the 3 in Leicester. thirty-three towns.

LONDON.

In Londont 2676 births and 1925 deaths were registered. Allowing for increase of population, the births were 68, and the deaths 30,

By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained. Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asvlums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 22.8, 19.3, and 21.5 in the preceding three weeks, further rose last week to 22.1. During the four weeks ending on Saturday last the death-rate averaged 21.4 per 1000, being 0.2 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1925 deaths included 36 from measles, 7 from scarlet fever, 48 from diphtheria, 64 from whooping-cough, 9 from enteric fever, 12 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 176 deaths were referred to these diseases, being 16 below the corrected

average weekly number.

The deaths from measles, which had been 21, 27, and 32 in the preceding three weeks, further rose last week to 36, but were 18 below the corrected average; 5 cases belonged to Islington, 5 to Hackney, 4 to St. Paneras, and 4 to Camberwell sanitary areas. The deaths from scarlet fever, which had been 7, 4, and 7 in the preceding three weeks, were again 7 last week, the corrected average being 14; 2 cases belonged to Mile End Old Town sanitary area. The deaths from diphtheria, which had been 49, 40, and 29 in the preceding three weeks, rose again last week to 48, and were 10 above the corrected average; 5 cases belonged to Bethnal Green, 4 to Fulham, 3 to St. Marylebone, 3 to St. Pancras, 3 to Hackney, 3 to Bermondsey, and 3 to Lambeth sanitary areas. The deaths from whooping-cough, which had been 45, 38, and 55 in the preceding three weeks, further rose last week to 64, and were 3 above the corrected average; 8 cases belonged to Islington, 8 to Newington, and 7 to St. Pancras sanitary areas. The fatal cases of *enteric fever*, which had been 20, 16, and 13 in the preceding three weeks, further fell last week to 9, and were equal to the corrected average. The deaths from diarrhea, which had been 15, 11, and 10 in the preceding three weeks, rose again last week to 12, but were 3 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 481, 413, and 484 in the preceding three weeks, fell again last week to 470, and were 87 below the corrected average. The deaths attributed directly to *influenza* numbered 97, having been 50, 74, and 113 in the preceding three weeks.

Different forms of violence caused 76 deaths, concerning all but 1 of which inquests were held. Of these 76 deaths, 12 were cases of suicide, and 2 of homicide, while the remaining 62 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, 5 to drowning, and 17 (of infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS\*.

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2 cases of small-pox, 2584 of scarlet fever, 1374 of diphtheria, 207 of enteric fever, and 5 of typhus under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 236 cases, against 253, 202, and 241; of diphtheria, 142 cases, against 177, 179, and 149; and of enteric fever, 27 cases, against 42, 30, and 23.

GREATER LONDON.

In Greater London 3740 births and 2477 deaths were registered, corresponding to annual rates of 29.9 and 19.8 per 1000 of the estimated population. In the Outer Ring 30 deaths from measles, 6 from scarlet fever, 19 from diphtheria, 13 from whooping cough, 5 from "fever," and 1 from diarrheea were registered. Twenty-four deaths from measles and 9 from diphtheria occurred in West Ham district.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30·21 inches, and that of the Thermometer 38·0; the latter being 2°·4 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 40 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 3·1 hours; the measured rainfall amounted to 0·04 of an inch.

C. The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

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Annual Rate per 1000,	corresponding to the Week's Deaths	From All Causes.	17.	21.6	1.66	19.8	13:1	16.9	18.1	16.4	13.7	19.4	20.3	8.61	14.6	19.4	0.1.0	8.66	19.3	9.62	8.61	21:1	53.0	25.3	21.2	20.3	19.0	20.2	2.5	23.3	22.0	21.5
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during	di 1899.	DEATHS.	crà	4718	1925	114	85 G	19	35	101	25 ES	33	199	43	09	44	56	363	09	309	83	19	62	25	42	88	160	156	80	65	45	68
Registered during	4th Marc	BIRTRS, I	2.	6730	2676	172	25 62	88	64	L/3	09	53	332	54	121	74	69	440	111	330	131	25 55	80	09	45	43	166	264	191	110	69	CeT
ш.	Gr.	to the middle of the the Year 1899.*	1,	11,404,408 6	-	300,241	127,759	190,741	100,637	320,911 185 898	103,722	88,821	514,956	113,266	213,851	106.401	115,162	634,212	162,221	543,902	218,244	113 081	135,154	117,622	103,464	97,721	750,241	361.169	234,270	145,613	106,552	440,050
			Cols.	1	1	ı	l I	1	ı	1 1	1	TON	1	1	1	, ,	1	ı	1	1	1	1 1		1	- Q'	1	ŧ 1	1		.1	1	
	CITIES	вовотеня	)	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	PORTSMOUTH	PLYMOUTH -	CARDIER	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	NOTHINGHAM	DERBY -	BIRKENHEAD	LIVERPOOL -	BOLTON -	MANCHESTER	SALFORD -	BURNLEY -	BLACKBURN-	PRESTON -	HUDDERSFIELD	HALIFAX -	LEEDS -		HULL	SUNDERLAND	GATESHEAD -	

Table 2. LONDON.—Births and Deaths Registered in the Ninth Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
Total Births  Males Females -	2608	2560	2872	2295	2783	2564	2671	2628	2511	2585	274 <b>3</b> ·6	2676
	1321	1264	1419	1183	1416	1336	1349	1343	1279	1356	1395·7	1409
	1287	1296	1453	- 1112	1367	1228	1322	1285	1232	1229	1347·9	1267
TOTAL <b>Deaths</b> -  Males - Females -	1472	1803	2019	1545	1718	1748	3246	1729	1493	1805	1954·6	1925
	737	888	1009	767	850	865	1562	868	768	925	972·1	984
	735	915	1010	778	868	883	1684	861	725	880	982·5	941

<sup>\*</sup>The numbers in this column are the average weekly numbers in the ninth week of the ten years 1889-98, raised by 5'213 per cent for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last Thirteen Weeks.

III HOSPITALS, III UIIE DASU THIKTEEN WEEKS.													
	Dec. 10.	Dec. 17.	Dec. 24.	Dec. 31.	Jan.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.	Feb.	Feb. 18.	Feb. 25.	Mar.
TOTAL Births	2577	2519	2422	2215	2893	2435	2811	2686	2696	2802	2862	2752	2676
TOTAL Deaths	1447	1423	1470	1593	1666	1568	1503	1381	1690	1991	1686	1875	1925
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \begin{array}{c} 1 - 5 \\ 5 - 20 \\ 20 - 40 \\ 0 \end{array},  \begin{array}{c} - \\ 20 - 40 \\ 0 \\ 0 \end{array},  \begin{array}{c} - \\ - \\ 60 - 90 \\ 0 \end{array},  \begin{array}{c} - \\ - \\ - \\ 80 \end{array} \end{array}$	289 166 77 196 320 331 68	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 178 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery	22 11 43 22 1 26 - 19	31 8 40 26 - 19 - 13	24 14 46 21 - 21 - 19	31 12 47 32 - 15 1 14	27 11 30 41 - 17 13	27 8 34 37 - 10 - 11	30 8 30 40 - 16 - 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10 -	21 7 49 45 - 20 - 15	27 4 40 38 16	32 7 29 55 1 13 -	36 7 48 64 - 9 - 12
All the above Diseases -	144	135	145	152	139	127	134	123	133	157	136	147	176
Dis. of Respiratory System—Phthisis—————————————————————————————————	295 156 140 53 131 474	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 *	348 188 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577
TEMPERATURE OF THE AIR.  Mean	49·4 52·7 45·1	48·0 51·9 43·0	40°1 45°3 34°6	43·3 48·1 36·8	42.0 46.9 36.2	45.0 50.7 39.8	47·4 51·9 41·9	38·2 43·2 33·7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 -39.9	40·7 48·2 34·0	38·0 47·7 28·3
Humidity of the Air	83	68	80	84	87	83	84	80	83	83	82	81	79
Rain-fall (in inches)	1.34	0.00	0.02	0.81	0.24	1.03	1.00	0.08	0.18	1.19	0.72	0.02	0.01
Registered Sunshine (in hours)   67   08   129   140   56   203   33   358   74   105   220   889   341													
CASES OF INFECTIOUS SIGKNESS IN HOSPITALS* AT THE END OF EACH WEEK.													
Small-pox	3090 1314 286	3043 1310 285	2901 1261 266	2939 1248 255	2912 1256 254	27 <b>77</b> 1257 250	1 2749 1304 243	2679 1368 249	2665 1377 229	2642 1378 228	2587 1403 231	2 2575 1394 215	2584 1374 207

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4. NINTH Week of the Year 1899.

					TA	IN	ГВ	** 6	CK.	of the Year 1899.							_		
	years		In	the rday	Wee, 4th	k en Ma	ding rch l	.899			r the years		II Satu	the rday	We 7, 4tl	ek er 1 Ma	rch	1899.	
	es for he 10		De	aths th	of P	erso	ns of	Ē			res for the 10		De			Perso	nso	Í	
USES OF DEATH	Averages c of the 1889-98*.		τ	nder 20,		under 40.	er 60.	er 80.	and	CAUSES OF DEATH	Averages of the 1869-98*,	· ·	Ţ	Jnde 20.	r	under 40.	ler 60.	ler 80.	and
	Corrected A	ALL AGES.	0-1	1-5.	5-20,	20 and und	40 and under 60.	60 and under 80.	SO years upwards.		Corrected 9th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and und	40 and under 60	60 and under 80	86 years upwards.
AUSES	1954.6	1925	395	229	91	249	387	474	100	Diseases of Circulatory } System	165:2	183	-		11	31	60	68	10
l- {Vaccinated† - Unvaccinated No Statement es the Fever	0.6 0.5 0.3 53.8 14.0 0.2	- 36 7 -	- - - 6 -	- - 30 5	2 -			1 1 1 1 1 1		Croup	8:0 335:9 163:9 8:1 40:8	2 275 156 8 29	1 58 50 1 3	3	1 5 - 3	5 14 - 2	46 23 3 4	122 21 1 10	3 -
sing Fever	52.8 61.0 38.2 0.2 8.5 0.2 14.6	97 61 48 - 9 - 12	5 23 5	37 37 31 - 2	2 - 1	10		37 3	8 8	Dentition Quinsy, Sore Throat - Enteritis Peritonitis - Diseases of Liver - Other Diseases of Digestive System	12·1 2·5 12·0 6·2 25·7 30·2	5 23 23 33 21	3 1 14 - 3	-	1 - 1	- 4 6 4	- 16 8	- 2 10 5	1
tent Fever	0·1 - 0·2 9·8		1		-	1	- 1		1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	1'4	1	-			1		_	
eal Affections	5·1 1·5 4·7 2·2	7 2 3 2 -	4 2 2 -	- 1	-	- 2	-		1 -	Diseases of Urinary System }	49.6	52			_	5	16	28	3
ih	1:1	-	 	-	-	-	-	-	-	Diseases of Generative System Accidents of Childbirth-	5'8 5'3	4 4	- -	-		2 4	2	-	1 1 1
al Diseases - 5						-				Diseases of Locomotive System }	6.9	4	1	1	1	1	-		-
ation, Want of ast-milk }	2·3 8·7	6 11	6	-	-	-	4	-	-	Diseases of Integumen- tary System-	5.8	8	3 	1	-	_	1	3	
matic Fever, umatism of Heart matism ts Mesenterica - cular Meningitis - sis - ila, Tuberculosis - Constitutional bases	7.5 3:1 3:2 4:4 69:8 21:0 22:1 176:4 21:3 14:0	7 2 2 2 90 11 18 206 23 18	6612	1 27 29 6	- 3 3 16	96	1 -2 -38 -73 6 8 -8		- - 1 - - - 1	VIOLENT DEATHS:  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	51.4	7 - 3 - 6 5		- - 2	1 - 3 1	2 - 2 - 1 2	1 - 1 - 2	2	1 1 1 1 4 2
ature Birth ctasis	53·7 3·3 9·6 60·1	60 10 8 63	60 10 8 -	-			-	31	32	By Drowning By Suffocation in Bed By Poisons or Poisonous Vapours Other or not stated causes		5 17 - 24	17 - 2	-	4	3	3	7	- 3 
lexy	47.5 9.2 44.8 96.9	43 7 43 71	- 37 9		1 3	-	14 14	21 2 - 24	5 - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.4 8.3 0.2	2 12 -	2 -	111	111	7	- 5 -		
ses of Organs of cial Sense - }	3.7	4	-	-	2	. 6	2 -	-	-	OTHER CAUSES -	55.0	46	38	3	-	-	1	3	1
he numbers in this co	olumn ar	e the	ave	rag	e w	reel	slv (	lea	ths	or the ten years 1889-98, rais	sed by 5:	313 pe	er c	ent	. fo	r ir	ere	ase	

he numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase pulation. all those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered cal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the sof death is not certified by a registered practitioner, the case is returned under the heading "no statement." ne evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ent, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER. DIARRHGA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 4th March, 1899.

							The l	DEAT	HS re	gister	ed du	ring t	he W	eek i	iclud	е	
	Enume-			Dea	thsof					Death	s fro	m.					ations.
REGISTRATION SUE-DISTRICTS.	rated Popu- lations 1896.	Total BIRTHS.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Stuall-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deathsin PublicInstitutions
LONDON	4,411,710	2676	1925	395	574	_	36	7	48	64		9		12	76	182	577
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE !	778,251 1,040,694 233,635 716,334 1,642,796	379 593 118 534 1052	325 428 108 345 675	62 85 22 78 148	117 128 18 86 214		3 14 1 9 9	1 - 1 3 2	5 13 - 4 26	15 19 3 6 21	J LEFE E	7 - 1 1 -	1 1 4 1 1	2 1 2 1 6	13 15 4 19 25	25 50 9 43 55	102 106 43 118 174 34
REGISTRATION LONDON*)											-						-
	90,996 33,510	47 3	34 11	2 1	12 4	-	1 -			1				1	2	1 2	9 5
Kensington Town $Ww - W$ . Brompton $Ww - W$ .	122,164 48,301	56 8	65	7	29 4	-	_	-	-	2	-	-		1	2	3	26 1
St. Peter Hammersmith - W. St. Paul Hammersmith HH W. & G. Fulham Ww W. & C.	9,097 25,102 113,781	3 57 99	38 54	2 14 16	- 6 14	-	2	- 1	1 3	1 3 4	-		1 1 1	- i	1 -	6 2	1 19
	21,450 42,057 33,139	11 19 11	15 24 17	4 2 2	5 11 5	-	-	-	- 1 -	2 1	-	-		-	3 1 1	1 2	111
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	. 3 24 12 9	11 25 15 7	- 4 6 -	9852		1111		17.1.1.1		1711			1111	- 2	3 -	13 - 5
$\left. \begin{array}{l} \text{St. James Westminster} \\ WHH \\ \text{St. Anne Soho}  HHHHHHH - \text{N.} \end{array} \right.$	23,050 12,048	8	5 3	2 -	2 1	-	-	-	- +	-		-	-	-		-	1
NORTH DISTRICTS.  All Souls Marylebone   - W. Rectory Marylebone W G. & W. St. Mary Marylebone   G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	11 6 40 15 17	17 9 11 8 18	1 23	6 5 6 4 5		-	-	- - - 1	- 1 - 1	+ - 1 - 1 - 1	1 - 1	-	- - 1	1	3 -	9 4 2
Hampstead WWHHHHH	75,449	31	30	4	4	-	-	-	4		-	2	-	-	-4	4	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	23 11 11 22 10 58	19 20 12 17 13 47	6 2 3 7 2 10	5 5 2 2 7 16		- - - 4		1	1 1 2 - 2		1	-		1 2 1 1	3 6 2 3	10 2 3 8 11
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	98,273 107,365 66,549 64,577	43 78 34 29	48 34 26 10	7 6 7 4	17 7 6 3	1 1 1 1	1 3 - 1	-	-	3 2 1		1 1 1 1	-		1 2 -	9 1 1 -	20
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	33,485	$   \left\{     \begin{array}{c}       15 \\       34 \\       24 \\       41 \\       40     \end{array}   \right. $	9 17 18 17 28	1 5 7 3 5	4 4 3 4 13		1 - 221		1 4 1	2 -		- 2 -		11111	- - - 1	3 5 7	- 6 6 10

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. R man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand June Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; E. Lambeth EN. New River; E. London; and EN. Lambeth EN. New River; EN. See note E0 on first page of this Return

BLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday 4th March, 1899—continued.

SUB-DISTRICT during the We	ek ending	Satu	rday	4th	Mar	ch, 1	1899	—c	onti	nued	t.							
							The	DEA	THS	regist	ered	durin	g the	Weel	inel	ude	89 1	
	Enume-			Deat					, I	Death	s from	n					itutions	10 g
REGISTRATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Total DEATHS	Infantsunder I Year of Age,	Persons aged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoes.	Violence	InquestCases.	Deaths in Public Institutions	Uncertified Causes Death,
CENTRAL DISTRICTS.																		
George Bloomsbury - N. Giles South $WH$ - N. Giles North $H$ N.	16,110 12,976 9,151	17 5	2 5 2	-	- 4 1	1 -	-	-	-	-		-	-		1 1		5 1	100
Martin-in-the-Fields HHN.&C. rand WHH N. rand Union Workhouse, Edmonton	13,077 11,839 +1,037	2 1	12	2 -	2 2 -		**	-	-	-	-	-			1 -	1	5 : 9' -	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	31,042 15,777 34,356 16,069 29,597 7,595 4,035 †892	9 6 17 15 24 2 1	15 5 6 11 14 1 1	32173	2 1 1 1 -	1.1 (1.1 (1.1	1	2 1 1 1 1 1 2	1111111	1	1 1 1 1 1 2	111111		1		1 1 1 2 -	1	11111111
Botolph $H$ N. & E. ipp legate N. & E. Sepulchre $WH$ N. hallows Barking N. coad Street $H$ N. $ty$ of $London\ Asylum$ , $Stone$ -	6,870 3,299 9,591 9,059 2,892 †388	3 :6 4 -	3 1 21 1 1	1 1 2 -	1 -			-		1		-	114741		3 -	3	18,	1,171,1
EAST DISTRICTS.  corrected South $Hl$ - E. & N.  coxton New Town $w$ - N.  coxton Old Town - N.  aggerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	9 28 20 35	19 13 36	1 5 5 9	1 5 2 9		3		-	1 1 -			-	4 1 1 1	1 1 -	- 2 3 1	- 6 14	
othnal Green North $H$ - E. othnal Green South - E. othnal Green East $WHl$ - E.	49,301 34,194 45,667	35 27 22	12 9 23	$\frac{2}{7}$	1 2 3	1 1 1	2	1 1 1	2	2	1 1 1	-		1 1 1	1	3	- 9	1.1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	26,681 } 51,995 {	11 27 16	3 48 6	10 1	- 5 1		1 1 1	-	-	2 -		1	-	1 1 1	6 -	8 -	39	
George's North E. John, St. George East W E.	39,576 7,930	36 3	10 10	5 2	3 2	-		-	-		-	-	-	-	-	1 2	5	-
tadwell $H$ E. & N. atcliff $W$ E. mehouse E.	10,434 14,954 32,917	8 11 33	8 5 12	3 - 5	2 2 3		- - -	-	1 -	-	-			1 1 1		2 2	4 -	
ile End Old Town West $H$ E. ile End Old Town East $WW^{i}vw$	} 111,060	{ 40 39	19 38	6 5	16 16	-	1	_ I		1	-	-	-	-	1.1	4 3	15	
ow $l$ E. comley $wwwH$ E. coplar $WW$ E.	41,687 69,821 57,759	31 57 46	13 34 23	2 6 4	7 11 9	1 1 1		esp.	ĩ	-	-	-	-	- 1	213333	2 5 5	3 18 5	

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of London. \* Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5 LONDON.—Population; Births; Deaths from all Causes, and from Small-pox Measles Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each Sub-District during the Week ending Saturday, 4th March, 1899—centinued.

							The l	DEAT	HS re	gister	ed du	ring t	he W	eek i	nelud	в		200.00
	Enume-			Deat	hsof				D	eaths	fron	a .					tions,	100
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS,	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa.	Violence.	InquestCases.	Deaths in Public Institutions	Uncartifled Canses
SOUTH DISTRICTS.																		
Christchurch Southwark W HL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 7 19 13 9 22 55 27	4 1 5 13 7 8 29 16	3 6 1 5 6 5 ·	1 1 1 1 1 1 1 1 1 1 1 5	111111	3		-	1 2 2 1		118111211	2111111	1	1 - 3	1 1 3 1 3 1	- - 6 - 7 -	And the second s
St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotherhithe $WwH_{\downarrow}$ - S. & K.	11,731 85,475 40,379	12 59 25	20 37 22	4 9 2	3 11 5	1.1.1	-		3 -	1	-	-	1 - 1		3 1	4 6 1	14 2 11	the same of
Waterloo-road HH - L, & S. Lambeth Church 1st H - L, & S. Lambeth Church 2nd WW L, & S. Kennington 1st H - S. & L. Kennington 2nd - S. & L. Brixton w* L. & S. Norwood WH L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	32 10 28 33 23 55 14	15 19 35 18 12 37 4	24 76 25 -	3 16 6 3 17 2			- - - 1	1 - 3 -	- 2 1 - 1	1 1 1 1 1 1	1		1	3 1 2	5 1 3 1 1 1	3 15 17 - 6 -	The state of the s
	71,730 93,385 46,953 58,101 20,566 61,644	56 61 25 41 12 34	26 40 6 14 3 24	5 12 - 3 - 5	9 13 3 8 -	11111	1 1 1 1		1 2 - 1	1 1	11111	11111		1 1	1 - 1	3 4 - 1	19 1 1 - 4	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	2 46 49 46	2 53 26 23	1 4 5 6	23 10 4	1111	- 4 -		1	2		1111	1111		1 - 1	1 3 1 1	29	1
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	36 28 8 15 27	14 21 10 8 18	6 5 4 1 5	23348	117111		<u>i</u>	7 -	2	11111	1111	-		- 2 - 1	3 - 1	8 - 8	1
Eltham $wH$ $K$ , Lee $H$ $K$ . Lewisham $WwH$ $K$ . Sydenham $H$ $K$ .	5,911 24,222 38,139 37,601	5 8 23 17	2 6 20 11	1 - 6 3	1355	1111	111	- 1 -	3	2	1111		1111	1 1 1 1	- 1 - 1	- 1 -	9	A
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	10 11 8 12 23	13 8 9 6 10	2 2 2 1 2	5 1 3 1 4	11111			4 -	1	-	1111	11111	1111	1	- 1 1 -	5 - 2 - 7	1
Banstead Asylum Caterham Asylum Cane Hill Asylum			4. 1. 4. 5. 4. 1. 7.		1 - 2 1 - 3		111111111	- - - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1,11111111	-					4 1 4 - 5 4 1 1 7	The state of the last ten

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 4th March, 1899.

								The	DEA	THS	regist	ered i	n the	Week	inclu	ıde		
is- on			Enume-		<u>z</u>	Deat	hsof	<u> </u>	ı		Death	s from	n .				0	98
ict l ct	REGISTRATION SUB-DISTRICTS.	in Acres.	rated Popu- lation, 1891.	BIRTHS.	DEATHS	Infants under   Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Publi Institutions.	Uncertified Causes
01	NDON-OUTER RING -	368,749	1,422,063	1064.	552	113	138	_	30	6	19	13	5	1	14.	31	62	4
1 2	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	13 9	8 5	- 2	2	TT.	2	1	ī	i i	I I	-1	1	Ţ.	ī	-
i	Godstone, part of * W -	2,754	1,598	6	1	-	_3	1	;	1 2	1		-		-	1		
2	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	75 15	38 4	5 1	19 1	1 1	10	-	1	1	70	47	1	ī	8	-
12345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} -25,777 \\ 33,566 \\ 12,178 \\ 11,080 \\ 18,252 \end{array}\right.$	20 20 6 7 10	15 5 4 8	2 1 1 -	3 4 2 - 2	Little B	7 1 1 1	11111	11111	1 1	1111		1	2	2 -	
1 2	Richmond $WH-$ Mortlake $H$	2,160 2,823	25,389 16,159	22 10	10 4	4	1 3	-	-	-		-	-	-	-	-1	-	-
1 2 3	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	6 11 9	3 6 7	- 3 1	1 1 3	1.1.1		1	, - , - , -	111	-	-	ĩ	ī		- - 1
1 2	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	20	9	~	3	-	1		1	-	-	-	1	1	-	-
1 2	Sunbury w Staines WH	11,054 13,277	13,671 13,221	8 5	2 3	. 2	- 1	-1	ű.	. 3.	-		_			-	- 2	-
1 2 3	Hillingdon WHH Uxbridge	6,035 12,757 7,952	12,237 7,253 11,051	7 1 5	6 1 1	2	2 1 -	-	1 1 3		-		7	-	-		114	1,1,1
12345	Isleworth WHH Twickenham HH Brentford HHHHH Chiswick	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	20 5 17 19 21	14 8 18 10 12	3 1 1 3	4 1 4 2 -		1 1 1 0	1	2	-	- 1				7 - 1	1
1 2 3 4	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	8 3 73 16	5 24 12	1 5 6	3 - 6 2		1111		3 -	- - 1		1113	2 - 2	2 2	1 1 3	1.4 6.1
2	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	6,367 14,152 25,820	3 5 13	3215	1	1 1	-	-		- 1	-	-	1 1 1	-	-	-	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	42 89 27 18 4 8	22 31 9 9	1 10 1 - - 1	5 7 2 1		- 2 - 1	2	11111	1 2	1	11111	12-1-	1 3 - 2 - 1	4	1
	Hatfield, part of * W	3,306	582	-		_	_	_	_	n _			_		_	-	_	
	Bushey $H$ Watford $WH$ , part of * -	9,331	7,737	7	3	1	2 -		7 -		- I		-	-	-	11 12	-	10 T
	Stratford H Plaistow WHHH Canning Town H Forest Gate w - East Ham wHH Walthamstow HHL - Chigwell, part of* HHHH Epping WH, part of*	3,266 4,334 6,501 11,779	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	24 56 52 40 57 58 55	14 40 31 23 20 38 30 3	4 14 7 1 5 7 6	4 4 1 7 5 11 6 1		13 9 - 2	, 1 1 1 1 1 1 1 1	- 4 2 1 - 2 	1 1 1 -	1	4.14.1.1.1.4.4.1	1	1 5 1 2 1	3 3 2 - 17 2 -	
The second second	Romford, part of WH liford Barking Town, H Widdlessx Co. Lunatic Asy., Wandsworth. N. E. Fever Hospital, Tottenham.	6,556 8,493 3,814 —	4,324 10,913 14,301 —	4 19 14 -	2 6 5 2	1 3 -	1 2 2 1	-	-	1					1111	1 1 1 1 2	2	K Kini a

s follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham ilstrict, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst listrict, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst lestrict, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst lestrict, except the parish of (pop. 3,907); 135: 1, the parish of Northaw in eld sub-district; 187: 1, Chigwell sub-district, except the parish of Previous Bois and part of the parish of Epping 1,079); 189: 1, the parish of Dagennam in Romford sub-district; also deaths in Workhouses and Hospitals for thouse Bois and Bois and

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 4th March, 1899.

	-				_			-							Street, or other Designation of the last o
				L RATE			The DE	ATH	s regi	stere	l in th	e We	ek inc	lude	. 1
GREATER	Area	Population estimated		TALITY 0 living.	DEATHS		ths of	:			Death	s from	m.		
LONDON.	Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.
Cols.	1.	2.	3,	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	19.8	2.0	2477	508	712	-	66	13	67	77	14	13	90
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	22°1 14°5	2·0 1·9	1925 552	395 113	574 138		36 30	7 6	48 19	64 13	9 5	12 1	76 14

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

		апа	ın certain	FOREIGN	CITIES.						
	DOTAL A MION				ANNUAL	DE.	ATHS		M PRI	SES.	L ZYMO
CITIES	POPULATION (enumerated)	DATE OF RETURN.	BIRTHS.	DEATHS.	DEATH- RATE	pox.	les.	let 3r.	neria.	ying-	er.
	estimated).	Week ending	Exclusive	of Stillborn	per 1000 living.	Small-pox.	Measles	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
					1				Ī	1	
EDINBURGH -	298,927	March 4	151 473	137 371	23°9 26°4	_	5	4	2	7	4
GLASGOW DUBLIN	733,903 349,594	,, 4	222	214	31.9	_	_'	4	_	5	6
	466,460	January 21	-	345	38.2				1		1021
CALCUTTA BOMBAY	821,764	February 14	228.	1770	112:0	5.	56	7	?	?	835†
MADRAS	452,518	January 20	335	401	46.0	1	5	3	. 2	?	46
PARIS	2,511,629	February 25	1144	982	20.3	_	22	3	7*	14	7
BRUSSELS	551,011	,, 25	261	222	20.9	-	14		-	3	i
AMSTERDAM -	512,758	,, 18	288	158	16.0	_	2	_	- 2	3	1
ROTTERDAM -	306,439	,, 18	216	97	16.2	-		1	2	2	2
THE HAGUE -	196,325	,,; 18	112	50	13.1	-	-	-	-	1	- 1
COPENHAGEN -	345,000	,, 25	192	167	25*2	-	- 8	3	3	4	-
STOCKHOLM -	283,550	,, 18	142	133	24.4	-	7	2	6*	2	1 -
CHRISTIANIA -	203,337	,, 25	128	90 .	23.0	-	-	1	-	-	1
ST. PETERSBURG	1,132,677	,, 18	775	594	27.3		8	10	26	, 5	21
Moscow	988,610	,, 1 18		496	26.2	5	16	7	13	3	6
BERLIN	1,805,054	,, 11	964	605	17.4	1	7	8	11	22	-
HAMBURG	675,351	January 14		235	18.1	-	-	-	4*	2	-
DRESDEN BRESLAU	388,300 406,012	January 14 February 25		233	29.9		_	1	2	5	1
MUNICH	445,000	replaced 25	-	189	22.1		_	_	2*	4	
VIENNA	1,606,629	25	978	736	23.8		8	7	15*	2	_
PRAGUE	380,497	18	242	224	30.6	-	5	4	2		4
BUDA-PESTH -	666,722	18	506	408	31.8	-	6	5	2	-	6
TRIESTE	165,913	,, 18	130	62	19.4	-	-	1	1*	1	1
ROME	500,610	11	282	191	19.9	-	2	-	1	4	3§
TURIN (10 days)	344,203	January 10	227	205	21.7	-	-	-	2	4	3
VENICE	169,883	February 25		-	-	-	-	-			-
CAIRO	570,062		-	-		-	-	-	-	-	-
ALEXANDRIA -	319,766		_	_	-	-		-	-	-	-
NEW YORK (including )	3,550,053	February 4	1719	1229	18.1	-	12	18	40	10	5
BROOKLYN) ) PHILADELPHIA	1,266,832	, 11	_	569	23.4	_	1	2	26	7	41
		. "			-0.				-		

Including deaths from croup.
† Including 1 death from plague in Calcutta and 710 in Bombay.
† Including 17 deaths from cholera in Calcutta and 3 in Madras.
† Including 1 death from malarial fever.

_	ö		_	_	_																	-,
	Ozone.		0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	26	9	uns of	years years r the	The The	ables.	"and	neter.	nent,	week 4th,	
collected	Gauge whose receiving		in. 0.00	0.00	000	00.0	0.00	0.00	0.00	F0.0	Sum 0.04	57	4 4	The means of the wet bulb	wenty 1868 for	d minin umn 8). om ther	observa	higher,'	lectrom	Instrur	of the v	
	on's.	Depar- ture from Average of 16 Years.	Miles.	909	6021	-152	27 1	66	-144	- 91	Sum -912	24		P.M. 7	ation on the formation of the formation	air (coll	ygromet nof the rizonta	icates"	ering E	ınshine	inning 1, P.M. o	A STREET SHOULD WANTED
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	110	RTT	174	247	232	189	244	Sum 1382	23	idnight	sea leve sea leve and 9h	de duri	of the maximum and minimum perature of the air (column 8). The	sher's Hiscussio at of ho	at + ind	lf-regist	tokes Stay.	the beg in. by 21	CONTRACTOR SOURCES
-	1 8	an 24 urly 08.	lbs.	+ 0	20	0.0	0.0	0.0	0.0	0.1	i   :	22	at to m	stapov luce to 3h. P.M. therm	by the	of the perature	y Glais om ad and th	ind the	on's se	bell-S	0 in. at	eornacida anno
	Pressure on the	Least.	Ibs.		 D.	0.0	0.0	0.0	0.0	0.0	:	21	idnigi	to reconst	ralues reco	ngs (tem)	ters k ived fi 1890,	in m	homse	Cam <sub>1</sub>	m 30°2 ased 1 k.	Tricology (Co.
	Pressu	Great-	Ibs.		5	 0.2	8.0	1.0	0.3	2.1	:	20	rom m	adings A.M.; n	daily regraphic	readi	hat deri	borne	from T	om the sunshin	sed fro	A CONTRACTOR DE
Oslov's	irection.	P.M. (6	E S	E. C. BINE.	ENE., ESE.	WSW. &	WSW. W.	NW. &	WSW. &	NNW. N. & NE.	WSW.	61	ivil day, or 1	or the paromied to the retaken at 9h. saken at 9h. arometer, th	l into mean of the photogeter, and dispression	nean of the	wet bulb the of the air istl the 50 years of the anem	24 it will be e.	d. 7 is derived	derived from of bright	bruary 28th the end of t	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
	General Direction,	A.M.	ENTE O							WSW.	ENE. &	18	The results apply to the civil day, or from midnight to midnight.	The height of the distorn of the barometer is 199 feet above the mean level of the correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M., and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bull	thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the fwenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the flormometers. With the corrected mean reading of the dry bulb thermometer is	combined the corrected mean of the readings of the maximum and minimum thermonetest; forming the mean daily value of temporature of the air (column 8). The mean daily decreased the minimum mean daily decreased to the minimum and the mean daily decreased the minimum and the mean daily decreased to the minimum and the mean mean daily decreased the minimum and the mean daily decreased the mean daily decreased the minimum and the mean daily decreased the mean	daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the anomometric records for the 16 years ending 1890.	In reading columns 9 and 24 it will be borne in mind that + indicates "kigher," and "k-toner," than the average.  The values rives in column 17 are not corrected for the index error of the thermometer.	which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The symbols employed are—P. nositive: N. negative: w. weak: m. moderate:	s. strong; and v. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	The reading of the barometer increased from 3020 in, at the beginning of the week to 2053 in, by 9h. A.M. on Pebruary 28th; decreased to 2968 in, by 9h. A.M. on March 4th, and increased to 2968 in, by the end of the week.	
	Of the Earth	3 feet below the Surface.	0 02.67	10 OF	43.10	42.10	42.30	42.10	42.06	41.99	42.24	17	esults a	eigntoi ection ha vations -readin	neter, a l from a 1873 for neters.	neters, f	lues of Frage to Green	ding co	annot b	and umbers	eading on the seased t	
	f tion.	Lowest on the Grass.	0 10	700	LV.0	14:2	5.95	2.92	25.9	59.0	22.1	16	There	The n no corre Obser the eye	thermor deduced ending thermor	combine thermor	daily va Theav made at	In rea	which cannot The record The symbols	s, strong The ni	The r to 30.53	
	Of Radiation.	Highest in Sun's Rays.	0.10	0.000	0.98	74.0	74.0	74.5	9.68	0.22	6.08	15		day.	Fog in	Dense	evening; morning.	cloud.	loud.	oudy 1. P.M.		
	Degree of Hu- midity	ration equals 100).	. 6	000	×	74	62	92	81	62	7.9	14	πů	fine			l even n mor	Jo.	thin c	lly el n at 3h		
		Least.	0 8	00	0.0	H	7:1	5.3	1.8	5.6	5.6	13	GENERAL REMARKS	very st.	cloudless; very fine.	generally cloudless. Hoar frost.	cloudy till evening; Hoar frost in morning; n.	amounts	nts of ing.	genera of rai		
nce bety Tempera	Jew Poi iperatur	Great-	0 0	TO 0	7 0	16.8	18.0	11.6	12.9	13.0	13.2	12	L RED	ss; a	ss ; ve	renerally cl Hoar frost.	y clou Hoar	딕	amon r	ning; shower		
the Air Temperature	and J	Mean daily value.	0 8	0.7	3:0	7.00	12.3	0.2	5.4	0.9	6.5	11	NERA	cloudless; a ing. Hoar frost.	loudle ar frost		partially erwards.	with sr mornin	niable frost in	y mor		
	Of the Dew	Mean daily value,	0 0	52.4	29.1	27.6	30.9	33.6	35.1	33.4	31.7	10	GEI	ally c	<u>⊳</u> Ħ	Very fine and g in morning.	and pass after	fine wost in n	Fine with variable amounts of thin cloud og and hoar frost in morning.	Fine in early morning; generally cloudy terwards. Sharp shower of rain at 3h. P.M.		
		De- parture from Average of 50 years.	0 1	1.0 -	0.8 -	- 5.3	+ 3.0	+ 0.5	0.0 -	1.3	- 2.4	6		Generally clos Fog in morning.	Generally cloudless morning, Hoar frost	Very fine and log in morning.	Fine and partially cloudless afterwards. B Solar halo in afternoon.	Very fine with sma Hoar frost in morning.	Fine with variable amounts Fog and hoar frost in morning.	Fine in earterwards.		
TOT TOTAL	dr.	Mean daily value.	0 1	0.00	32.1	34.9	43.5	40.6	40.5	39.4	38.0	00	Sun above Horizon, in hours.	9.01	10.1	10.8	10.8	10.0	0.11	11.0	Sum 75.8	29
LIBERT	Of the Air.	Daily Range.	0 0	COT	21.3	23.9	30.8	15.0	2.15	14.4	19.3	7	red Sun ne Ho								1	
		Low- est	0 0	707	22.0	22.8	33.5	85.6	0.67	32.3	28.3	9	Registered Sun above Sunshine Horizon, in hours, in hours,	9.2	7.0	7.1	0.2	5.0	5,0	1,3	Sum 34.1	28
		High- est.	0	7.5%	43.3	46.7	54.0	47.9	50.2	46.7	47.7	5	of (3)	ı	oon; fter-	1t -	ıt.	1	1	P.M.;	fter-	
METER.	Mean daily reading	cor- rected and re- duced to 32° Fahren- heit).	in.		30.376	30.499	30.424	30.264	29.919	29.725	30.207	4	ELECTRICITY. (For explanation of symbols, see Note.)	s. P. generally	till n nerally a	s. P. throughout	s. P. throughout.	s. P. generally	m. P. generally	till 10h.	; m. P. a	27
	Phases	Moon.	. , 1	Equator	:	:	:	:	:	:		3	ELE (For ex symbo	s. P. ge	s. P. till noon; m.P. generally after- wards.	s. P. tl	s. P. ti	8, P. 8	m. P.	m. P. till 10h. A.M.;	5h. P.M. wards.	
		8		5.0	27	88	1	63	60	4		n - u		2,99	17	88	7	হা	ಣ	4		1
()	1899.	Month and Day	FEBRUARY.	SUNDAY -	MONDAY	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. FEBRUARY	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

# OFFICIAL COPY.

# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
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No. 10. 1899. Vol. LX.] WEEK ENDING SATURDAY, MARCH 11. [Price 11/d.

General Register Office, Somerset House, March 13th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 22·2 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

			Weeks	endin	g	1			Weeks	endin	g
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Towns.						Towns.				
Leeds   18.3   18.2   20.8   20.5     Wolverhampton -   20.0   15.9   19.4   17.6	Birkenhead - Birmingham - Blackburn - Bolton Bradford - Brighton - Bristol - Burnley - Cardiff Croydon - Derby Gateshead - Halifax - Huddersfield- Hull -	25·4 17·8 16·6 17·7 17·9 16·5 17·9 16·6 14·9 15·5 20·1 21·5 20·3 12·1 14·9	20·4 18·8 32·0 22·5 21·2 15·4 13·8 16·3 18·4 20·1 15·5 20·7 17·1	25·4 20·2 23·9 19·3 19·9 16·9 16·4 14·8 13·7 13·1 21·6 22·0 20·3 16·1 17·8	22·2 17·4 21·2 22·2 21·9 20·7 20·5 19·4 13·5 16·3 19·1 13·7 30·4 18·6 19·1		Liverpool London	27.9 19.3 23.4 21.4 15.2 17.2 20.4 20.7 14.5 28.8 27.7 20.5 23.6 19.1 16.3	26.7 21.5 25.8 20.1 11.9 11.9 21.3 22.8 15.3 21.3 22.2 119.6 23.3 20.1 3 15.3	29·8 22·1 29·6 21·2 19·8 19·4 21·1 16·7 25·3 19·8 22·5 23·3 16·1 19·8	22·4 27·8 23·9 22·1 17·6 29·7 21·2 18·0 29·7 26·0 27·1 18·3 16·6 19·8

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Derby, 1.9 in Bolton, 2.6 in West Ham, and 2.8 in Manchester; from "scarlet fever," 1.0 in Derby, and 1.2 in Salford; and from whooping-cough, 1.1 in Halifax, 1.3 in Preston, 1.6 in Hull, 2.1 in Plymouth, and 2.7 in Birkenhead. In none of the thirty-three towns did the death-rate from "fever" or from diarrhæa reach 1.0 per 1000. The 90 deaths from diphtheria included 36 in London, 7 in Sheffield, 5 in Leicester, 5 in Leeds, 4 in Cardiff, 4 in Liverpool, 3 in West Ham, 3 in Portsmouth, 3 in Swansea, and 3 in Salford. No death from small-pox was registered in any of the thirty-three towns.

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

#### LONDON.

In London\* 2627 BIRTHS and 1954 DEATHS were registered. Allowing for increase of population, the births were 136, and the deaths 59, below the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been 19.3, 21.5, and 22.1 in the preceding three weeks, further rose last week to 22.4. During the four weeks ending on Saturday last the death-rate averaged 21.3 per 1000, being 0.9 per 1000 below the mean rate in the corresponding periods of the ten years 1889-98.

The 1954 deaths included 38 from measles, 9 from scarlet fever, 36 from diphtheria, 55 from whooping-cough, 9 from enteric fever, 13 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 160 deaths were referred to these diseases, being 39 below the corrected

average weekly number.

The deaths from measles, which had been 27, 32, and 36 in the preceding three weeks, further rose last week to 38, but were 27 below the corrected average; 9 cases belonged to Islington sanitary area. The deaths from scarlet fever, which had been 4, 7, and 7 in the preceding three weeks, rose last week to 9, but were 3 below the corrected average. The deaths from diphtheria, which had been 40, 29, and 48 in the preceding three weeks, fell again last week to 36, the corrected average being 37; 4 cases belonged to Poplar, 3 to Islington, and 3 to Camberwell sanitary areas. The deaths from whooping-cough, which had been 38, 55, and 64 in the preceding three weeks, fell again last week to 55, and were 7 below the corrected average; 7 cases belonged to Newington, 6 to Islington, 6 to Camberwell, 5 to Lambeth, and 5 to St. Pancras sanitary areas. The fatal cases of enteric fever, which had been 16, 13, and 9 in the preceding three weeks, were again 9 last week, the corrected average being 8; 2 cases belonged to Lambeth sanitary area. The deaths from diarrhæa, which had been 11, 10, and 12 in the preceding three weeks, further rose last week to 13, the corrected average being 14. The deaths referred to diseases of the respiratory organs, which had been 413, 484, and 470 in the preceding three weeks, rose again last week to 529, but were 29 below the corrected average. The deaths attributed directly to *influenza* numbered 100, having been 74, 113, and 97 in the preceding three weeks.

Different forms of violence caused 80 deaths, concerning all but 1 of which inquests were held. Of these 80 deaths, 14 were cases of suicide, while the remaining 66 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, 6 to drowning, 1 to the effects of chloroform administered for surgical purposes, and 18 (in-

cluding 17 of infants under one year of age) to suffocation in bed.

### CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2 cases of small-pox, 2540 of a crief fever, 1313 of diphtheria, 193 of enteric fever, and 7 of typhus under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow: -Of scarlet fever, 217 cases, against 202, 241, and 236; of diphtheria, 133 cases, against 179, 149, and 142; and of enteric fever, 14 cases, against 30, 23, and 27.

<sup>\*</sup> Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

#### GREATER LONDON.

In Greater London 3709 births and 2594 deaths were registered, corresponding to annual rates of 29.6 and 20.7 per 1000 of the estimated population. In the Outer Ring 22 deaths from measles, 3 from scarlet fever, 14 from diphtheria, 21 from whooping-cough, and 4 from "fever" were registered. Eighteen deaths from measles, 6 from diphtheria, and 5 from whooping-cough occurred in West Ham district; 3 deaths from diphtheria occurred in Hendon district.

#### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.67 inches, and that of the Thermometer 40.02; the latter being 0.07 below the week's average in the 50 years 1841-90. The direction of the wind was south-westerly, the horizontal movement of the air being 25 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 43.7 hours; the measured rainfall amounted to 0.07 of an inch.

#### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of February 1899. The supply was in the ratio of 216 gallons to one service.

COMPANIES.	Number o	Services.		ly of Water llons.
	FEBRUARY,	FEBRUARY,	FEBRUARY,	FEBRUARY,
	1898.	1899.	1898.	1859.
TOTAL SUPPLY	854,913	874,661	192,480,452	188,976,453
From Thames From Lea and from other Sources -	411,482	419,669	102,860,950	101,194,673
	443,431	454,992	89,619 502	87,781,780
THAMES.  Chelsea	37,843	38,131	10,820,125	11,339,979
	81,908	83,460	19,598,378	19,655,130
	121,277	122,361	31,720,858	30,167,008
	61,997	63,750	19,101,989	17,964,985
	108,457	111,987	21,619,600	22,067,571
LEA AND OTHER SOURCES.  New River	163,379	165,805	33,375,605	33,899,582
	193,296	198,963	41,414,785	37,878,000
	86,756	90,224	14,829,112	16,004,198

Note.—The Return for February 1899, as compared with that for the corresponding month of 1898 shows an increase of 19,748 services and a decrease of 3,503,999 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING FEBRUARY, 1899.

Water-analysis Laboratory, The Yews, Reigate,

7th March, 1899.

SIR,

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of February.

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing mains.

I append, also, the results obtained in the analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

K 2

# Analysis of Metropolitan Waters.

#### RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR ]	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Jentigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	February 17th, Grand Junction Co.'s intake at Hampton.	° 7.2	33.84	*403	047	•006	307	*359	1.9	22.7
	Chelsea	February 21st, Cab Rank, Horse Guards, Whitehall.	7*7	30.56	274	.024	0	290	-314	1.7	20.3
	West Middlesex -	February 21st, Cab Rank, Riding House- street.	7.8	30:20	•277	.021	0	284	<b>.3</b> 08	1.7	20.0
	Southwark	February 21st, Cab Rauk, St. George's Church, Borough.	7:3	30:38	*325	.032	0	278	.310	1.7	20.0
.0	Grand Junction -	February 21st, Cab Rank, Portmanstreet, Oxford-street.	<b>7</b> ·5	30.16	301	.032	Ò.	-294	*326	1.7	19:7
Inner Circle.	Lambeth	February 21st, Cab Rank, St. George's- road, Southwark.	7.9	29.94	*339	*036	0	•293	*329	1.7	19.4
Inne	LEA. (Unfiltered water) -	February 20th, New River Cut at Green Lanes.	8.1	34.20	*204	•027	*008	*310	*341	1.8	23.6
	New River	February 21st, Cab Rank, Tottenham Court-road.	7.8	34.42	133	•015	0	*313	*328	1.8	20.8
	(Unfiltered water) -	February 20th, E. London Co.'s intake at Angel-road.	7.5	41:36	303	*046	.019	*375	·437	2.1	28.1
	East London	February 21st, Cab Rank, Sidney-street, E.	8.1	39:28	.188	·026	0	*344	·370	2.1	23.6
	DEEP WELLS.  Kent	February 21st, Police Station, Blackheath-road.	13:3	41.86	•042	*005	.0	*462	*467	2.1	27.4
Outer Circle.	East London	{ February 28th, Waltham Abbey Well. }		28.64	.109	010	·010	trace	.018	2.0	20.0
	poration of Birming-	February 16th, Lodge Terrace, 47 and 48, Lodge Road.	.8:9	31.60	·170	020	002	*350	372	2.7	23.5
Cor	poration of Glasgow†	{ February 15th, Loch Katrine water. }	5.1	3.20	·176	.021	0	.006	.027	0.7	1.3
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

<sup>\*</sup> Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 17th February at the Grand Junction Company's intake at Hampton had a temperature of 7.2° C.; 100,000 lbs. of it contained 33.84 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained '405 lb. of carbon and '047 lb. of nitrogen. The above quantity of water also contained '006 lb. of ammonia and '307 lb. of nitrogen in the form of quantity of water also contained '005 ib. of ammonia and '307 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '359 lb. The above weight of water also contained 1'9 lb. of chlorine, and 22'7 lbs. of carbonate of lime, or an equivalent amount of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operations transform the hardness in the Table into degrees of hardness on Clark's scale.

<sup>†</sup> Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, was:—Kent 0.8, East London (deep well) 2.0, New River 2.5, East London (river supply) 3.6, Chelsea 5.0, West Middlesex 5.1, Grand Junction 5.6, Southwark 6.0, and Lambeth 6.3. The unfiltered waters contained the following proportions:—Thames at Hampton 7.7, New

River Cut 3.9, and Lea at Angel Road 5.9.

The Thames at Hampton was, on February 17th, turbid and deep yellow in colour. It was of very bad chemical and bacterial quality. The water supplied by the five Companies drawing from this river was, in every case, efficiently filtered before delivery; but, owing to heavy floods and insufficient storage, the water sent out by all the Companies contained an excess of organic matter, which was, however, almost entirely of vegetable origin. The Grand Junction Company's general filter well at Hampton contained a considerable excess of microbes over the standard of 100 per cubic centimetre; but the bacterial quality of the remaining waters was very satisfactory. The bacterial improvement effected by the five Thames Companies is expressed by the following percentage numbers:—Chelsea 99.94, West Middlesex 99.90, Southwark (general supply from Hampton) 99.82, (No. 4 filter) 99.98, Grand Junction (general well at Hampton) 99.40, (general supply from Kew) 99.80, (South well at Kew) 99.93, and Lambeth 99.77.

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was, on February 20th, turbid and pale yellow in colour. It was of good chemical but bad bacterial quality. After efficient filtration, it was delivered in excellent chemical and bacterial condition, the reduction in the number of bacteria per c.c. amounting to 99.68

per cent.

The water drawn from the Lea at Angel Road by the East London Company was, on February 20th, turbid and yellow in colour. It was of indifferent chemical and very bad bacterial quality; but, after efficient filtration, it was delivered in excellent chemical condition. All the filters were, however, delivering water infringing slightly the accepted standard. Nevertheless, the bacterial improvement was represented by the following high percentage numbers:—No. 1 Essex filters 99.72, No. 2 Essex filters 99.74, and Middlesex filters 99.61.

The deep well water of the Kent Company was clear and bright without filtration, and possessed a high degree of organic purity, but that of the East London Company was very

slightly turbid.

Table:-

Seen through a stratum two feet deep, the Kent Company's water was clear and colourless, the New River clear and nearly colourless, the East London (deep well) very slightly turbid and colourless (ditto, river supply) clear and very pale yellow, and the remaining waters clear and pale yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the filtered supplies delivered by the various Companies, collected on the 17th, 18th, 20th, and 21st of February, yielded, after prolonged incubation, the results contained in the following

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, February 17th, 1899	34.700 10,020 5,320 5,920 11,400 4.380 44,900 4,500	7·2 7·2 6·5 7·5 8·1 7·5 7·7
FILTERED RIVER WATERS AS SUPPLIED.  THAMES.  Chelsea Company's general filter well, February 17th  West Middlesex Company's general filter well, February 18th  Southwark Company's tap on filtered water main at Hampton works,  February 17th  No. 4 filter well, February 17th  Grand Junction Company's general filter well at Hampton, February 17th  tap on filtered water main at Kew Bridge works,  February 18th  Lambeth Company's general filter well at Kew Bridge, February 18th  Lambeth Company's general filter well, February 17th	20 34 62 8 206 68 24 80	7:5 6:9 6:5 7:6 7:7 7:5 7:7
LEA.  New River Company's general filter well, February 20th East London Company's No. 1 Essex filters, February 20th No. 2 " "	36 124 118 176	8·0 7·6 7·7 7·9
DEEP-WELL.  Kent Company's "New Well" at Deptford, February 21st	10	11:4

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied to that City was on February 16th "clear and pale green in a two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on the 15th of February, "light brown in colour, and contained a little suspended matter."

I am, &c.,

E. FRANKLAND.

The Registrar-General, &c., &c.

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-	CITIES	AND BOROUGHS	Cols.	33 TOWNS.	LONDON.	WEST HAM.	REIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	Norwich.	LEICESTER.	NOTITINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	MANCHESTER	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN.	FRESTON.	HUDDERSFIELD.			LEEDS.	_	_	GATESHEAD.	NEWCASTLE.	
ALL.	1	In Centi-	24.	0.28	0.18	1 0	0.63	0.76		1.55	ı	ı	0.58	1	0.58	1 9	0.36	1	1	0.61	1 1	1	1	1	١.	1	0.97	1 1	92.0	1	1 66.0	660	1	1	
RAINFALL	1	In Inches.	23.	0.53	20.0	1 8	0.72	0.30	1	0.48	1	1	0.11	1	0.11	1	0.14	1	1	0.30	1	1	1	1	1	1	0.38	1 0	0.30	1	1 65.0	er o	1	1	
T		Centigrade.	22.	4.44	92.7	1	3.61	4.94	. 1	4.17	1	1	3.44	1	4.61	1	3.72	1	1	5.61	1	ı	1	1	ı	1	4.58	1 1	4.17	ı	1.01	10.7	1	ı	1
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-	•	Highest ahrenheit.	19.	62.5	54.5	1	54.5	54.8	1	53.0	ı	1	50.4	t	62.5	ı	51.8	1	1	57.3	ı	1 1	1	1	1	ı	299	1	0.00	ı	1 6	0.09	1	1	
oding -	eaths.	From Diseases in Cols. 6-12.	18.	1.9	1.8	3.8	1 0	2.O.F	H 65	9.1	1.7	5.0	9.0	1.1	0.0	1.5	5.0	2.5	4:1	1.5	2.0	9 e	0 00	1	1.2	2.2	1.0	1.6	2.4	1.5	0.0	71 C	0.0	1.6	
per 1000, corresponding	Week's Deaths	From All Causes.	17.	22.2	22.4	19.8	16.3	20.7	18.0	20.5	13.2	9.91	9.21	17.4	22.1	21.0	9.21	19.1	22.5	128.0	55.5	8.72	29.7	19.4	21.2	230.1	18.6	30.4	21.9	20.2	27.1	19.1	13.7	23.9	
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		small-pox,	6.	1	ı	1	1	1	1	1 (	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1 1	
	Deaths of	Persons aged 60 Years and npwards.	5.	1380	611	25	14	24	27	4.3.4	9 6	10		44	20	32	19	10	0	92	17	69	9 2	- FG	16	21	10	23	28	37	56	27	16		-
	Deat	Infants under I Year of Age.	4.	1026	368	27	9	9	20	25	- Fi	9	9	47	6	23	20	ಣ	13	06	11	63	3 5	91	18	18	e0	6	23	38	45	19	∞ ı	c 42	_
during	h 1899.	BATHE.	er)	4853	1954	114	40	49	00	126	48	33	30	172	48	98	81	39	49	341	69	290	109	96	55	29	37	57	66	167	188	98	51	25 52	To and
Registered during the Week ending	11th Marc.	BIRTHS, DEATHS.	જાં	6540	2627	160	69	62	COT	186	110	52	55	315	62	118	120	48	64	402	8	351	140	5.0	56	1.1	867	47	124	252	223	146	6 9	136	204
par 3	z	estimated to the middle of the Year 1899.*		11,404,408	4,546,752	300,241	127,759	123,226	190,741	320 911	185.826	103,722	88 821	514 956	113,266	213,851	239,384	106,401	115 169	634.212	162,221	543,902	218,244	113 081			103.464				961,169			106,552	_
	CILIES	AND BOROUGHS,	Cols.	33 TOWNS -	London	WEST HAM	CROYDON		Ħ	BEISTOLIA -	1 1	SWANSEA	WOTTWANTANTON	BIRMINGHAM -	NORWICH -	THIS HOLD BE IN THE PERSON OF	NOTTINGHAM -	DERBY - , -	DIDEENIEAD	LIVERPOOL	BOLTON	MANCHESTER -	SALFORD	Burding -	BLACKBURN	PRESTON -	HUDDERSFIELD -		BRADFORD	LEEDS	SHEFFIELD	HULL	۵	GATESHEAD	

Table 2. LONDON.—Births and Deaths Registered in the Tenth Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2698	2 <b>53</b> 6	2505	2510	2769	2636	2681	2534	2654	2736	2762.8	<b>2</b> 627
Males Females -	13 <b>6</b> 1 1337	1325 1211	1300 1205	1283 1227	1392 1377	1358 1278	1354 1327	1241 1293	1341 1313	1362 1374	1401·1- 1361·7	1312 1315
TOTAL Deaths -	1637	1889	1783	1808	1576	1700	3471	1846	1571	1854	2013-2	1954
Males Females	828 809	978	947 836	921 837	805 771	876 824	1600 1871	948 898	803 763	940 908	1016.0	943 1011

<sup>\*</sup>The numbers in this column are the average weekly numbers in the tenth week of the ten years 1889-98, raised by 5°213 per cent for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

i	n Hos	SPITA	LS, in	the I	ast T	HIRTI	EEN W	EEKS	ł.				
• • • • • • • • • • • • • • • • • • • •	Dec. 17.	Dec. 24.	Dec. 31.	Jan. 7.	Jan. 14.	Jan. 21.	Jan. 28.	Feb. 4.	Feb. 11.	Feb. 18.	Feb. 25.	Mar.	Mar. 11.
TOTAL Births	2519	2422	2215	2893	2435	2811	2686	2696	2802	2862	2752	2676	2627
TOTAL Deaths	1423	1470	1593	1666	1568	1503	1381	1690	1991	1686	1875	1925	1954
$\begin{array}{c} {\bf Ages\ at} \\ {\bf Death} \\ \begin{array}{c} {\left\{ {\begin{array}{*{20}{c}} {\rm{Under\ 1year}\ \ - \ \ - \ \ \ \ \ \ \ \ \ \ \ \ \ \$	286 176 88 174 317 303 79	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	368 266 105 229 375 487 124
Deaths from—  Sinall pox	31 6 40 26 19 13	24 14 46 21 - 21 - 19	31 12 47 32 - 15 1 14	27 11 30 41 - 17 - 13	27 8 34 37 10 - 11	30 8 30 40 16 - 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10	21 7 49 45 - 20 - 15	27 4 40 38 - 16 - 11	32 7 29 55 1 13 -	36 7 48 61 - 9	38 9 36 55 - 9
All the above Diseases -	135	145	152	139	127	134	123	133	157	136	147	176	16)
Dis. of Respiratory System—Phthisis—————————————————————————————————	283 143 123 72 146 449	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 188 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 567
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	48.0 51.9 43.0	40°1 45°3 34°6	43.3 48.1 36.8	42.0 46.9 36.2	45.0 50.7 39.8	47.4 51.9 41.9	38·2 43·2 33·7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 39.9	40.7 48.2 34.0	38·0 47·7 28·3	40 2 49 4 31 1
Humidity of the Air	83	80	84	87	83	84	80	83	83	82	81	79	73
Rain-fall (in inches)	0.00	0.03	0.81	0.24	1.03	1.00	0.08	0.18	1.19	0.72	0.03	0.01	0.07
Registered Sunshine (in hours)	0.8	12.9	14.0	5.6	20.3	3.3	35.8	7.4	10.2	22.0	58.9	34.1	43.7
CASES OF INFECT	rious	SICKN	ESS IN	Hos	PITALS	8* AT '	гне е	ND OF	EACI	I WEI			
Snall-pox	3043 1310 285	2901 1261 266	2939 1248 255	2912 1253 254	2777 1257 250	1 2749 1304 243	2679 1368 249	2665 1377 229	2642 1378 -228	2587 1403 231	2575 1394 215	2584 1374 207	2540 1313 193

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D. Portsmouth; Arthur Newsholme, Esq., M.D. Eriphten:
A. W. 'reston, Esq., F. R. Met. Soc., Norwich; John Merrifield, Esq., LL.D.. Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and F. Bobbyer Sq., M.S., Nottingham: E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C. S. Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

ABLE 4. LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the TENTH Week of the Vear 1899

	S   2013-2   1954   368   266   105   229   375   487   124																		
			In	the day,	Weel 11th	k end Mar	ling ch l	899,			or the years	2	I: latur	the day.	We 11th	ek ei n Ma	nding reh l	899.	
			Dea	ths th	of P	erso	ns of	ŧ		CAUCHE OF DEATH			: De				ns o	Ē	
USES OF DEATH	Avera eek of 1889-	gg.	ש		-	der 40.	der 60.	der 80.	and ls.	CAUSES OF DEATH	Averse of 1889-9	, oc 65	τ		r	.der 40.	nder 60.	1der 80.	
	Corrected 10th W		J	1-5.	5-20.	20 and ur		60 and ur	80 years upware		Corrected 10th We	ALL AG	0-1.	1-5.	5-20.	20 and us	and	60 and us	86 year
AUSES	2013:2	1954	368	266	105	229	375 	487	124		162.8	174	1	2	12	24	40	83	12
l- {Vaccinated† - Unvaccinated   No Statement   t Fever	0.2 0.4 64.5 12.2	- 38	8		233	1	1114111		1 1 1 1	Bronchitis Pneumonia Pleurisy Other Diseases of Res-	334·5 168·4 6·8	184 7	39	61	11	17	26 2	22 2	8 -
sing Fever	61.5 36.6 0.6 7.7	55 36 - 9	20 3 -	34 26 - 2	-	14 - 3	1 -		12 1	Quinsy, Sore Throat Enteritis Peritonitis Diseases of Liver Other Diseases of \( \)	2:4 12:6 5:4 25:8	$1 \\ 14 \\ 8 \\ 24$	- 8 - -	1 - 2	1 2 1	3 1 4		- 1 4 6	1
ophobia   ers   ox and Effects of   ination	0.2	8	- - - -	-	-	-	-	-	-	System & of Ductless	2.2	2	1		-	-	1	-	-
pelas – – – – – iia and Septicæmia eral Fever – – Zymotic Diseases	4·3 1·9 5·1	1 3 -	-	-	1 -	-3	-	2 -	1.1.1		55.0	49	-	1	1	6	11	26	4
h		1 -	1	-	-	-	-			System			1	-	-	3	3	1	1 1 1
al Diseases - )				-		_			-		6.8	5	-	1	2	-	1	1	-
ation, Want of } ast-milk			1 -	-	1	5	5	2	_		6.0	8	5	-	_	-		1	2
matic Fever, umatism of Heart  ts	2·9 2·9 6·5	3 1 4		4	- 3 5 17 6	-   -   -   -   1	1 - 35 - 1 73 6	-	4	(ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drownling) - In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1 7 1 - 7	1	-	1	1 1	- 1		
ature Birth ctasis ctasis - ctasis - ctasis Malforma- ctasis - ctas	49.8 4.1 9.2 59.8	41 8 5 68	41 8 5	1				- - 29		By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes		6 18 5 21	17 - 1	1	3	1 1	1 1 - 3	10	1
lexy psy ulsions Diseases of Brain   Nervous System	51°1 9°3 45°5 100°4	57 4 29 63	27 12		-	- 2	13	-	-	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.5	14		-	3 -	1	-7	- 3 -	111
ses of Organs of cial Sense -	3.5	8	3	1	3	i	-		-	OTHER CAUSES -	61.1	53	46	1	1		4	1	
ho numbors in this of	lumnar	o the	0.0370	270.0	· O TT	rool	elve.	d oc	tha	for the ten years 1889_98 rai	and her si	012			+ 50	. i.	o o m o	0.00	

he numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase

pollution.

The content are the average weekly destricted with the ten years 1858-86, raised by 5-215 per cent. for increase pollution.

The pollution cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered as men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the sof death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ent. murder manslaughter or suicide. All suob cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHOEA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 11th March, 1899.

SUB-DISTRICT during the We	CK CHUIN	5 5200	lady,	1	1110												
•				100			The l	JEAT				ring t	ne W	eek ii	iciud	8	18.
REGISTRATION SUB-DISTRICTS.	Enume- rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS,	under 1 Year	Persons aged 60 Years and upwards.		38°	Scarlet Fever,		Whooping-cough.		Typhoid)	Continued	10eR.	106,	Inquest Cases.	Deathsin PublicInstitutions
		Totall	Total	Infants of Age	Person	Small-pox.	Measles.	Scarlet	Diphtheria	Whoop	Typhus	Enteric (or Fever.	Simple Fever.	Diarrhoea	Violence	Inque	Death
LONDON ^ · ·	4,411,710	2627	1954	368	611		38	9	36	55		9	_	-13	80	190	567
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	372 573 151 502 1029	357 436 103 362 670 26	73 20 91	136 138 30 89 206	1 1 1 1 1	17 1 13 7	7	11 1 5 17	11 13 1 5 25	11111	23 - 4		1 6 2 - 4	16 14 5 21 23	35 32 15 62 45	96 113 45 119 168
WEST DISTRICTS.										•							
$ \begin{array}{c c} \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \end{array}  \begin{array}{c} G. \& W. \\ H. \\ -G. \end{array} $	90,996 33,510	38 5	39 13	5 1	20 9	-	-		1	4	-	1 1		-	1 3	1 4	7 8
Kensington Town Ww W. Brompton HH W & C.	122,164 48,301	56 11	66 16	11 3	27 6	-	-	-	-	2	-	1	1 1		2 1	8	20 2
St. Peter Hammersmith - W. St. Paul Hammersmith HH W. & G. Fulham W W. & C.	9,097 95,102 113.781	5 48 103	34 73	1 15 19	13 20		-	111	1 1 1	2		1	1 1	- - 1	1 2	2 9	3 19
Chelsea Kensal Town - C. Chelsea North WHHHHHI - C. Chelsea South HE C.	21,450 42,057 33,139	16 29 7	9 22 19	2 3 1	3 5 8	1 -	-		1	1	-1		1.1.1	1 1	3	4	13
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	21 14 6	14 24 9 4	3 1 1	9 1 -	1111	- i	1111	1111		1111	1111	1 1 1 1	1.1.1.1	2 -	3 1 1	10 8 - 2
$\left. \begin{array}{c} \text{St. James Westminster} \\ WHH \\ \text{St. Anne Soho}  HHHHHHH - \text{N.} \end{array} \right.$	23,050 12,048	8	3	2 -	5 1				-			11	-	-	1	1	1
NORTH DISTRICTS.  All Souls Marylebone   - W. Rectory Marylebone W G. & W. St. Mary Marylebone G. & W. Christchurch Marylebone H - W St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	9 7 37 10 24	16 6 7 9 8	3 - 1 2 1	2 3 3 52	11411	1	11.1.1.1.1	1 1 1 1	2		1 1, 1 1 1	-	11111	2	2 - 1 2 1	6 3 1
$\left. \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} \right\}$ - N. & W.	75,449	23	<b>2</b> 5	2	13	-	1	1	ş		_	-	-"		-		6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	21 11 17 20 12 61	12 17 14 11 35	2 3333	3 3 2 10	111111	- 1 - - 1	1-1-1-1-1	1111	1 3 1 -		1	1 1 1 1 1	1	- 2 2 1	1 2 3 2 2	2 6 6 - 6 11
$\left.\begin{array}{c} \text{Upper Holloway} \\ WWWwHH \\ \text{Islington South-west} & \text{H} & -\text{N}. \\ \text{Islington South-east} & -\text{N}. \\ \text{Highbury} & HH & -\text{N}. \\ \end{array}\right.$	98,273 107,365 66,549 64,577	46 66 31 34	74 54 12 23	12 15 3 7	27 14 4 4	1111	4 3 2 1		- - 1	1 5 -	-	-		2	1 1 1 1	1 4 -	38 - 1
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$   \left\{     \begin{array}{c}       18 \\       24 \\       26 \\       36 \\       40     \end{array}   \right. $	14 18 33 17 23	1 4 2 1 5	7 9 10 6 6	11111	3 -	11111	7 -			2 -	1 1 1 1	- 2 - 1	1 3 1 2	1 4 4 2 -	- 13 4 10

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers at received; w—Workhouse Establishment receiving inmates from other Districts than that in which it stands. The man capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junctic Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. Eactondor; and K. the Kent Company.

Secuote on second page of this Return.

5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Relet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence &c., registered in each b-District during the Week ending Saturday 11th March, 1899—continued.

B-DISTRICT during the wee	ok chaing	, Nava.	raay	1101	113.00	or Ciri	108	,,,,,,,	conc	010100	·					_		C-Description
							The	e D EA	THS	regist	ered	durin	g the	Week	inclu	de	a	
	Enume-			Deat						Deaths	s from	n					tution	s of
ISTRATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa,	Violence	Inquest Cases.	Deaths in Public Institutions	Uncertified Causes
CENTRAL DISTRICTS.  orge Bloomsbury N. es South $WH$ N. es North $H$ N.	16,110 12,976	6	65	l ī	211	-					1 1			1 1	1 1		1 2100	
es North H N.  rtin-in-the-Fields HHN. & C.  WHH N.  Union Workhouse, Edmonton	13,077 11,839 +1,037	11 5 3	573	1 1 1 1	1 1 4 2	1 111		1 1 1	-	1 1 1	1 111	-	1 1 1	1	1 111	1 -	eq	
rn wHHHHHHH - N. nes Clerkenwell - N. ll Clerkenwell - N. ll Clerkenwell - N. oll-street - N. oad HHHL - N. eross-street - N. rry - N. n Union Workhouse, ham - S	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	11 6 25 12 40 4 1	20 3 8 4 15 2 1	5 2 2 5 1	2 1 3 3 4 1 -	111111	1	111111	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- -		-		1111111	1	1 1 1 1 1	10	1.111111
tolph $H$ N. & E. egate N. onlehre $WH$ N. lows Barking N. Street $H$ - N. London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	3123	15 5 -	1	3 2 -	-		11111	11111	11111	11111	111111	11111	11111	31 -	4 3 -	14	-
EAST DISTRICTS.  Hitch South $Hl$ - E. & N. n New Town $w$ - N. n Old Town N. erston $WH$ - N. & E.	17,975 29,575 27,645 47,163	10 11 23 40	9 19 7 35	2 2 3 10	3 6 - 13		1	1 - 1 -		<u> </u>			1 1 1	1111	ī ī	1 5 2 4	2 C 14	- 1
al Green North $H$ - E. al Green East $WHl$ - E.	49,301 34,194 45,667	33 24 34	25 9 28	12 4 3	3 2 11		2 -		-	1					1 -	2 3 -	1 - 18	
fields E & N. and New Town* $WH$ - E. an's Fields* E.	26,681 51,995 {	20 28 12	3 39 5	- 5 2	2 3 1	-	1		2 -	- 1		-		-	6 -	12 1	24	, -
orge's North E. un, St. George East WE.	39,576 7,930	25 2	16 4	7 1	3	-	3 -	4 -	-	-	-	-	-		1 -	2 1	-	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	2 14 23	9 5 <b>1</b> 1	3 3 1	3	111	3					=			1 1 -	3 1 -		-
nd Old Town West H E. nd Old Town East - E.	} 111,060	{ 42 39	15 25	5 2	3 9		2	-	-	1 -	-	-	-		-	4 3	10	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	31 43 46	19 53 26	9 8 9	18 4		 	1 1 1	1	- 1	-		1 1 1	1 1 1	1 7 1	13 3	23 1	

TABLE 5 LONDON,—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEA SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 11th March, 1899—continued.

							The	DEAT	THS re	gister	ed du	uring t	the W	eek i	nelud	le	
	Enume-			Deat	hsof				I	eaths	fron	a					1
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total Births,	Total DEATHS.	Infants under I Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoes.	Violence,	InquestCases.	The state of the s
South Districts.			-										n				and the same
Christchurch Southwark W HL, &S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & I. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 8 20 12 18 24 44 22	2 5 13 12 5 7 30 14	- 6 5 - 1 10 4	1 2 1 1 10 5	1111111	1		11111	1 1 4 2	1111111	111111	1111111		1	1 1 2 2	
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	57 30	21 23 29	3 6 5	1 7 9	-	1 -	1 -	2 -	- 3	1 1 1		-	111	4 2 -	5 3 1	16
	28,396 18,770 40,994 52,486 43,244 81,825 29,318	27 14 31 23 31 37 13	9 18 28 22 12 25 6	2344261	1 5 7 8 6 10 3		111111	- - - - 1	-	- 3 - 1 1	111111	1 - 1 - 1 -		111111	1 - 1 - 1	1 1 1 - 1 -	12 12 12 - 1
East Battersea S.  West Battersea	71,730 93,385 46,953 58,101 20,566 61,644	56 44 19 35 10 33	21 37 10 22 5 15	7 4 1 6 -	6 16 5 4 1 5	- - - -	111111	- - 1 1	2	1 -			111111	111111	1 1	21212121	13
Dulwich L. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	52 59 52	1 63 27 15	- 663	1 21 6 4	-	- 2 1	1 1 1	- 1	3 1 1		1111		- 1 1	- 1 1	3 1 3	35 1
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	34 33 15 16 32	11 23 10 13 24	471215	5 3 6 5 7		- 1 -	-	6	1 1		- 1 - -		- - 1	2	1 1	7 - 1 13
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	6 - 9 30 15	7 23 11	- 122	- 4 4 6			2	- 4 -	1111	1111	1111	- 1		- 1 -	1 2 -	12
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	8 8 14 7 24	11 5 8 3 24	1 1 - 4	4 2 3 1 10	1111	1	1 1 1 1	2	11111	1111	11111		1111	- 2 - 1	1 2 - 1	3 - 7
Banstead Asylum Caterham Asylum		-	1 1 55 85		- 1 - 4 1 - 5 1	1111111111	111111 111111					1,1111,111111					1 1 1 5 5 5 5

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES SPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ding Saturday, 11th March, 1899.

							The	DEA	THS r	egiste	ered in	n the	Week	inclu	ıde		
		Enume-		-6	Deat	asof			I	Death	s fron	1				5	98
REGISTRATION SUB-DISTRICTS:	Area in Acres.	rated Population, 1891.	BIRTHS	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	laquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
IDON-OUTER RING -	368,749	1,422,063	1082	640	118	211	-	22	3	14	21	4	-	19	35	74	8
Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	12 4	10	1 -	3 2			-	-	, = - -	-			-	-	-
Godstone, part of* W -	2,754	1,598			-		-		-	-	-	-	٥	-	-	-	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	81	49 6	6 2	18 2	-	-	-	=	-	-		1	6	13	ī
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	14 11 5 10 9	12 10 3 2 5	1 2 -	251 - 3	1111			1 -	2 -	1 -		1	3 1 - 1 -	3 2 -	- - - 1
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	12 12	12 6	1 -	7 2	-	-	-	-	ī	-	-	2	2	3 -	1
Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	10 12 17	10 5 5	1 -	323		1 1 1	2.	1 -		1111	-			2 - 3	
Bexley HHH Dartford WH, part of * -	12,540	30,590	6 	10	2 -	3 1		-		-	-		_	-	-	ĩ	-
Sunbury w Staines WH	11,054 13,277	13,671 13,221	9	10	1 -	1 5	-	4	-	-		-	-	-	_	8	,-
Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	8 8 7	11 2 -	1 1 -	5 -	1 1 1				1 1 1	111	1.1	1 -	1 -	3	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	18 13 13 21 38	13 6 17 12 13	3 2 1 3	- 28 4 5	1111		11111	1111	- 1 1 -	11111	1 1 1 1 1	1	1 1 1 1	3 1 1 - 1	
Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	14 2 65 13	4 1 34 7	1 10 2	3 1 10 4		1111	-	3 -	- 1 1				- 1 2	- 1 3	- 1 -
South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	10 10 22	2 5 6	111	2 2 4	1 1 1		1 1 1		1 1 1			-		-	- - -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	34 99 31 26 - 8	25 48 23 13 13	3 9 2 1	11 11 9 4 1 2	111111	1 3 -	11111	11111	1 2	- 1 - -	11111	1 - 1	1 2 2	2 4 1 -	2
Hatfield, part of * W	3,306	- 582	-		-			-	-	-	-		-	-		-	-
Bushey H Watford WH, part of* -	9,331	7,787	4	2 -	-	2	-	-	- 1	-	-	-			-	-	-
Stratford H Plaistow WHHH Canning Town H East Ham wHH Leyton WWWH Walthamstow HHL - Chigwell, part of* HHHH Epping WH, part of*	3,266 4,334 6,501 11,779	\$\begin{cases} 38,612 \\ 58,030 \\ 54,750 \\ 53,511 \\ 32,713 \\ 70,188 \\ 57,330 \\ 12,941 \end{cases}	26 58 43 33 50 60 73	20 31 34 23 23 39 28	4 8 8 7 6 7 9	4 6 4 8 3 17 6 3	111111111	7 8 1 2 -		33	2 1 1 1 3 -	1 1 -	1111111	1 2 - 2	3 2 - 1 2	1 1 9 1	1
Romford, part of * WH - Ilford Barking Town, H	6,556 8,493 3,814	4,324 10,913 14,301	1 11 17	2 7 10	- 4 1	2 3	111	1 1 4			3 -	- : -		- 3	1 - 3	1 -	-
Middlesex Co. Lunatic Asy., Wandsworth. London Co. Lunatic Asy., Colney Hatch. Homerton Fever Hospital.	2000 2000			3	-	2	-	-	-	-	-	-	-	1 1		3	-

parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring ollows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham rley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst trict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in 1 sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 779; 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for 123 Diseases belonging to the Outer Ping in 124: 2, Dec. 123 Out.

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 11th March, 1899.

										_	_					
í				ANNTA	L RATE			The DE	ATH	s regi	stered	l in th	e We	k inc	lude	
		Area	Population estimated	of Mor per 100	TALITY living.	DEATHS	Deat	ths of				Death	s from	n .		
	GREATER LONDON,	in .	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under l Year of Age.	Persons aged 60 Years and upwards.	Small-poz.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoen.	Violence.
	Cols.	1.	- 2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
	REATER LONDON	443,421	6,528,434	20.7	1.8	2594	486	822	-	60	12	50	76	13	13	99
Colombia de la colomb	INNER LONDON - OUTER RING -	74,672 368,749	4,546.752 1,981,682	22·4 16·8	1.8	1954 640	363 118	611 211	-	38 22	9	36 14	55 21	9	13 -	80 19

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692 345 squ are miles, which is equivalent the area of a circle having a radius of 14851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

	* 1		an	a 1.	n certain	LOKEIGH.	OTTES.						-
1					1.	1	ANNTIAT	, DEA	THS	FROM J	DISEAS		ZYM
		POPULATION (enumerated or	DATE OF RETUR		BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
		estimated).	Week endir	ng	Exclusive 0	HOURING	living.	Smal	Me	Sc. Fe	Diph	Who	H
-						100	00177		2	1	1	8	
	EDINBURGH -	298,927	TIEGO E CAM	11	167	130	22°7 23°5		2	2	1	11	3
1	GLASGOW	733,903	71	11	447	331	28'5				1	5	6
	DUBLIN	349,594	91	11	187	191	77.				-		
1	CALCUTTA	466,460	January	28	Y2	7000	71/7:0		70	9	. 9	2	950†
	BOMBAY	821,764	February	21	155	1860	117.8	4	70	7	2		57
	MADRAS	452,518	January	27	280	429	49'3		1				
1	PARIS	2,511,629	March	4	1226	1051	21.7	-	13	4	12*	18	4 2
	BRUSSELS	551,011	33	4	289	272	25.7		23	-	3*	-	2
п	AMSTERDAM -	512,758	February	25	339	151	15.3	-		1	1	. 1	-
	ROTTERDAM -	306,439	15	25	254	123	20.5	-	2	1	1	2	2
-	THE HAGUE -	196,325	**	25	113	65	17.0	-	4	1	-	5	-
	COPENHAGEN -	345,000	March	4	227	187	28.3		8	6	3	4	3
_	COPENHAGEN -	283,550	February	25	129	114	20.0	-	3	1	8*		-
	CHRISTIANIA -	203,337	March	4	122	65	. 16'6		-	1	-	-	-
		1,132,677	February	25	685	590	27-2	3	8	10	27	9	31
	ST. PETERSBURG	988,610	repruary	25	-	464	24.5		7	6	5	1	5
	Moscow			18	_	_		-	_	_	-		-
	BERLIN	1,805,054	,, March	4	_	232	17.9		_	-	5*	4	-
	HAMBURG	675,351	January	14		-	1		_	-	-	-	-
	DRESDEN	388,300 406,012	March	4		227	29.2	-	-	-	3	-	1
-	BRESLAU MUNICH	445,000	March	4	-	219	25.6	-	-	1	5*	5	1
1				4	983	795	25.7		11	4	11*	3	5
-	VIENNA	1,606,629	February	25	207	211	28.8	-	4	1	3	2	2
- 7	PRAGUE	380,497 666,722	1 .	25	492	386	30.1	-	3	4	3	-1	7
-	BUDA-PESTH - TRIESTE	165,913	33	25	104	104	33.1	-	-	5	3*	-	1
				18	225	177	18.4		_	_		3	28
_	ROME	500,610	Tonnery	20	207	198	21.0	-	_	-		3	3
	TURIN (10 days)	344,203	January February	25		_		-	-:		-	1-	-
1	VENICE	169,883	rebruary	40								_	_ 1
	CAIRO	570,062			-						-	-	_
1	ALEXANDRIA -	319,766											
1	NEW YORK (including )	3,550,053	February	18	1392	1387	20.4	-	9	17	41	5	1
1	BROOKLYN)				2002	537	22.1	1	-	1	16	_	38
1	PHILADELPHIA -	1,266,832	39	18	-	937	44.1			-	-		
					()		1	l'					

Including deaths from croup.
Including 792 deaths from plague.
Including 4 deaths from cholers in Bombay and 2 in Madras.
Including 1 death from malarial lever

								M	etec	orolo	gica	il (	Obseri	vation	8.						1	31
		Ozone.		0.5	8.0	0.0	0.0	0.0	0.0	0.0	0.1	36	seg :	ns of bulb	the the	The nean	ations ment 5.	eter,	rate:	pent,	and	N. ordina dec
Rain	in a	whose receiving	sinches above the Ground.	in. 0.00	0.00	0.00	10.0	90.0	0.00	0.00	Sum 0.07	25	of the	The means wet	wenty y 1868 for rmometed	umn 8). om the n trical Ta	observat I move ling 1875 higher."	hermom	. moderate	Instrun	of the v	Charles San
			Depar- ure from Average of 16 Years.	Miles. - 133	-148	-161	+ 36	67 -	- 71	- 85	Sum - 591	24	ean leve	and the	ng the bending	air (colluced from ygrome)	orizonta ears enclicates "	of the tl	weak; m	unshine	ginning .M. on t	y: moundion ise
å		Robinson's	Horizontal   Movement   tof the Air   on each   Day.	Miles. 203	188	174	369	305	258	241	Sum 1735	233	nidnight ve the m	sea lever L., and 9b nometer	ade duri	re of the y are ded isher's H	discussion bat of he the 16 year of the 18 year of	dexerron	.; W. W	Stokes Saay.	t the be by 4h. A	Company of the Control of the Control
nometer		Je .	Mean of 24 hourly obs.	lbs.	0.1	0.0	F.0	0.3	0.1	0.0	:	25	ht to r	duce to 3h. P.A theri	rds m wenty of th	peratu midit	rom a and transfer for the formula for the for	thein	negative;	pbell-s	38 in. a	- Constitution of the Cons
ш Апер		Pressure on the Square Foot.	Least.	lbs.   0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	31	nidnig 150 fe	to rection; bulb	c reco	f tem	rived from 1890, c record	edfor	N. ne	e Cam	28.5 28.5 28.5 28.5	Supplement of the same
red fro		Pressu	Gréat-	lbs. 1.7	6.I	9.0	4.7	8.9	1.9	1.0	:	30	rom n	A.M.; red dry	raphi uring an re	alue clegree	endin ometri born	orrect	ive;	om the	sed freessed	and the same
Wind as deduced from Anemometers.	Osler's.	irection.	P.M. (G	E. SE. &	SSE. S. & SSE.	WSW.	WSW. SW.	WSW. SW.	WNW. W	SW.		19	The results apply to the civil day, or from midnight to midnight,	Line megany in exceeding the parameter, to recover the control of the means of observations are usually taken at th. A.M.; noon; 3h. P.M.; and thi. P.M. The means of the eye-readings of the baroneter, the dry bulb the themometer, and the wet bulb the eye-readings of the baroneter, the dry bulb the recovered into mean daily salues by the application of corrections	deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometer is ending of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum	thermometers, forming the mean daily value of femperature of the air (column 8). The mean mean daily dew point temperature and degree of humidity are deduced from the mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet builb thermometers by distaber's Hygrometrical Tables.	The average temperature of the air is that derived from a discussion of the observations made at Green with during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the amenometric records for the 16 years ending 1875. In reading columns 3 and 24 th will be borne in mind that + indicates "higher", and	<ul> <li>"lower," than the average.</li> <li>The valuesgiven in column 17 are not corrected for the index error of the thermometer.</li> <li>This cannot be determined.</li> <li>This proposed of Plostricity is derived from Thomson's self-recistering Electrometer.</li> </ul>	The symbols employed are:—P. positive: s. strong: and v. variable.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, now the aggregate duration of bright sunshine on each day.	The reading of the baromoter increased from 2938 in, at the beginning of the week to 3908 in, by 9h. 2h. on the 5th; decreased to 2835 in, by 4h. A.M. on the 9th; and increased to 3918 in, by the end of the week.	
		General Direction.	A. M.	N. K. H. K.	SSE, SE	& SSW.	SW. SSW.	SSW. SW.	SWSW.	W. S. S.	SW	18	pply to the	las been appl	r the baron With the	forming the w point temp	semperature wich during a discussion	"lower," than the average. The values given in column hich cannot be determined.	The symbols employed as strong: and v. variable.	s in column 2	of the baron 9h. P.M. on t 18 in, by the	The second second second
JRE.	_	Of the Earth	3 feet below the Surface.	42.03	41.95	41-74	41.55	41.60	41.95	42.10	41.85	17	results a	rection branching restrong e-readir	deduced from a cading 1873 fo thermometers.	meters, laily devalues of	verage to Green air from ading ec	ver," tha	ymbols	numbers he aggre	reading in, by sed to 30	
LEM PERATURE.		Of Radiation.	Lowest on the Grass.	20.6	161	16.9	27.1	27.4	25.1	28.0	23.0	16	The	no corrigion of the ey	deduce ending thermo	thermomean d	Thes raade s of the s	The which	The si	S		
TE			Highest in Sun's Rays.	101.8	10007	93-3	102.5	6.86	88.0	61.9	92.4	15		y in early morning; very fine after- Hoar frost in moraing and at night.	nts of Bril-	slight	ening;	noon;	ght,	hoar frost	,	
	Degree	of Hu- midity (Satu-	equals 100).	69	26	64	75	22	73	26	73	14	KS.	y fine and at	amou rning.	t and	ill ever fter 10	at nig	s at nig	thoan I		
herween	ature	re.	Least.	0 66	4.3	25.8	1.0	1.8	2.2	0.0	12.2	13	MARI	g; ver	small in mo n.	Hoar frost and	udy t rain a	spowe	ndles	e with		
Ted wone	the Air Temperature	nperatu	Great-	0 18:0	18.0	19.3	14.5	16.8	16.8	5.5	15.6	121	IL RE	nornin in mo	with frost orenoo		lly clos with	sional s; clo	ly; ele	ry fin	i si	
() Harance	the Air	Lei	Mean duily value.	9.6	12.7	10.6	2.2	2.9	8.3	2.0	0.8	12	GENERAL REMARKS	arly n frost	e day Hoar lo in f	e day. 1g.	partial rwards	h ocea rward	eneral	und ve	erward	
	Of the	Dew point.	Mean daily value,	0	23.3	272	35.7	35.4	35.0	42.4	32.2	10	GE	Cloudy in early morning; very fine ards. Hoat frost in morning and at	ry fine oud. lar ha	A very fine day. g in morning.	and stafter	ly wit ne afte	Very fine generally; cloudless at night.	Cloudless and very fine with	ne afte	
E,			De- parture from Average of 50 years.	0 10	- 5.1	- 2.9	+	+ 1.3	+ 3.6	+ 2.5	2.0 -	6		Cloud wards.	A very fine day with small amounts thin cloud. Hoar frost in morning. Br lient solar halo in forenoon,	A ve fog in r	Fine and partially cloudy till evening; overcast alterwards with rain after 10h. P.M.	Cloudy with occasional showers till noon very fine afterwards; cloudless at night.	Very	Cloud	very fine afterwards.	1000
TEMPERATURE.		ir.	Mean daily value,	35.6	36.0	38.1	43.2	42.1	43.3	43.1	40.5	8	Registered Sun above Sunshine Horizon, in hours.	11:1	11:2	11.2	11.3	11.4	11:4	2.11	Sum 79.1	65
LEMPE		Of the Air	Daily Range.	10.3	19.7	25.1	15.8	14.7	91.9	2.91	18.3	7	red Sur								1	
			Low- est	0.66	25.9	23.9	35.2	35*4	32.3	35*7	31.1	9	Registe Sunsh in hou	3.5	∞	6.8	6.7	7.9	89	0.0	Sum 43.7	138
			High-	0 44.5	45.6	19.0	0.19	1.09	54.5	51.4	49.4	5		P.M.;	A.M.; P.M.;	A.M.;	P.M.; fter-	A.M.; P.M.;	out -	ı A		1 100
BARO-	METER.	daily reading	rected and re- duced to 32° Fahren- heit).			29-534	29-305	29.058	29-795	30-147	29.673	1 4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. till 7h. P.M.; s. P. afterwards.	m. P. till 9h. A.M. w. P. till 5h. P.M. s. P. afterwards.	s. P. till 11h. A.M.; w. P. afterwards.	w. P. till 10h. P.M.; v. P. and v. N. after- wards.	v. N. till 7h. A.M. w. P. till 6h. P.M. m. P. afterwards.	m. P. throughout	w. P. generally		27
CONTRACTOR CONTRACTOR		Phases		Last Qr.	Dec. S.	:	:	Perigee	:	InEqua- tor, New		3	Et.k (For er sýmbo	w. P.	m. P. w. P. s. P. aft	s. P. 1 w. P. af	v. P. an	w. P. af	m. P.	W. P.		to beat of the
			2	1			00		10	Ξ	'	- ur		2	9	r-	8	6	- 10	- 11		1 19
	000	1899.	MONTH AND DAY	MARCH.	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. MARCH.	SUNDAY -	Monday -	TUESDAY -	Wednesday	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

#### OFFICIAL COPY.

# WEEKLY RETURN

#### DEATHS BIRTHS AND LONDON IN

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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General Register Office, Somerset House, March 20th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 23.3 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	endin	g	1.31		Weeks	endin	g
Towns.	Feb. 25.	Mar.	Mar. 11.	Mar. 18.	Towns.	Feb. 25.	Mar. 4.	Mar. 11.	Mar. 18.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	20·4 18·8 32·0	23·9 19·3 19·9 16·9	17·4 21·2 22·2 21·9 20·7 20·5 19·4 13·5 16·3 19·1 13·7 30·4 18·6 19·1	24·9 20·9 26·2 27·3 20·1 18·2 17·7 20·3 16·8 17·1 12·7 18·6 25·6 24·7 16·5	Leicester Liverpool London Manchester Newcastle-on-Tyne Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford Sheffield Sunderland Swansea West Ham Wolverhampton -	26·7 21·5 25·8 20·1 12·9 17·6 20·1 22·8 15·3 22·2 19·6 23·3 20·1 15·3	14·6 29·8 22·1 29·6 21·2 19·8 19·4 21·1 16·7 25·3 19·8 22·5 23·3 16·1 19·8 19·4	23·9 22·1 17·6 29·7 21·2 18·0 29·7 26·0 27·1 18·3 16·6	18.6

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1.2 in Leeds, 1.4 in Salford, 1.9 in Manchester, and 2.1 in West Ham; from "scarlet fever," 1.0 in Oldham; from whooping-cough, 1.0 in Plymouth and in Swansea, 1.1 in Hull, 1.3 in Bradford, 2.3 in Birkenhead, and 3.1 in Preston; from "fever," 1.2 in Wolverhampton; and from diarrhea, 1.2 in Wolverhampton and in Blackburn. The 88 deaths from diphtheria included 45 in London, 7 in Sheffield, 5 in Liverpool, 4 in Leicester, and 3 in Swansea. No death from small-pox was registered in any of the thirty-three towns.

#### LONDON.

In LONDON† 2613 BIRTHS and 2099 DEATHS were registered. for increase of population, the births were 197 below, and the deaths 174

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.5, 22.1, and 22.4 in the preceding three weeks, further rose last week to 24.1. During the four weeks ending on Saturday last the death-rate averaged 22.5 per 1000, being equal to the mean rate in the corresponding periods of the ten years 1889–98.

The 2099 deaths included 35 from measles, 7 from scarlet fever, 45 from diphtheria, 73 from whooping-cough, 7 from enteric fever, 8 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 175 deaths were referred to these diseases, being 35 below the corrected

average weekly number.

The deaths from measles, which had been 32, 36, and 38 in the preceding three weeks, fell again last week to 35, and were 29 below the corrected average; 7 cases belonged to Hackney, 6 to Islington, and 5 to Bethnal Green sanitary areas. The deaths from scarlet fever, which had been 7, 7, and 9 in the preceding three weeks, fell again last week to 7, and were 8 below the corrected average. The deaths from diphtheria, which had been 29, 48, and 36 in the preceding three weeks, rose again last week to 45, and were 5 above the corrected average; 5 cases belonged to Camberwell, 3 to Kensington, 3 to Islington, 3 to Newington, and 3 to Lambeth sanitary The deaths from whooping-cough, which had been 55, 64, and 55 in the preceding three weeks, rose again last week to 73, and were 6 above the corrected average; 8 cases belonged to St. Pancras, 6 to Fulham, 6 to Lambeth, 5 to Islington, 5 to Bermondsey, and 5 to Wandsworth sanitary areas. The fatal cases of enteric fever, which had been 13, 9, and 9 in the preceding three weeks, fell last week to 7, and were 2 below the corrected average; 2 cases belonged to Islington, and 2 to Greenwich sanitary areas. The deaths from diarrhea, which had been 10, 12, and 13 in the preceding three weeks, fell again last week to 8, and were 6 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 484, 470, and 529 in the preceding three weeks, further rose last week to 565, and were 61 above the corrected average. The deaths attributed directly to influenza numbered 125, having been 113, 97, and 100 in the preceding three weeks.

Different forms of violence caused 75 deaths, concerning all of which inquests were held. Of these 75 deaths, 10 were cases of suicide, and 3 of homicide, while the remaining 62 were attributed to accident or negligence. Six of these were referred to vehicles in the streets, 9 to burns and scalds, 1 to the effects of an anesthetic administered for surgical purposes, and 14 (of infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2437 cases of scarlet fever, 1261 of diphtheria, 183 of enteric fever, and 6 of typhus, under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 224 cases, against 241, 236, and 217; of diphtheria, 133 cases, against 149, 142, and 133; and of enteric fever, 26 cases, against 23, 27, and 14.

GREATER LONDON.

In Greater London 3722 births and 2738 deaths were registered, corresponding to annual rates of 29.7 and 21.9 per 1000 of the estimated population. In the Outer Ring 23 deaths from measles, 9 from diphtheria, 16 from whooping cough, 5 from "fever," and 3 from diarrhæa were registered. Nineteen deaths from measles, and 4 from "fever" occurred in West Ham district; 3 deaths from diphtheria occurred in Acton sub-district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30·25 inches, and that of the Thermometer 42·05; the latter being 1°·2 above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 51 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 19·7 hours; no rain was measured during the week.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after solonen in the Hospital to have been erroneous.

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CILIES	AND	Cols.	33 TOWNS.	LOWDON	WEST HAM	CROYDON.	BRIGHTON,	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON,	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTFINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BULTON.	MANCHESTER.	OLDHAM.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSKIELD.	HALIFAX.	BRADFORD.	LEEDS.	HILLIAND.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
	In Centi- metres.	24.	0.03	0.00		0.00	00.0	0.00	1	0.03	1	1	0.00	1	0.02	1	0.00	1	1	00.0	1	1	1 1	1	ı	í	0.00	1 4	00.0	ı	1 0	3 1	ı	1
	In Inches.	133	0.01	0.00	20 1	0.00	0.00	0.00	1	0.03	1	ı	0.00	1	0.03	1	0.00	t	1	0.00	t	ı	1 1	1	ı	1	000	1 0	0.00	1	0.00	) I	ı	1
an.	Centigrade.	22.	6.61	0.00	. 2 83	2.00	7.39	7.39	1	7.11	1	1	6.11	1	5.78	1	6.72	ı	1	19.9	1	1	1 1	1	1	1	82.9	1.0	70.8	I	1 2	30 1	1	1
Mean.	Fahrenheit.	21.	43.0	49.6	0.54	41.0	45.3	45.3	1	44.8	1	ı	43.0	1	43.4	ž	44.1	1	1	0.17	1	1	1	1	1	1	44.3	1 1	41.6	1	1 67	0.5%	3	1 ,
	their Lowest.	20.	24.0	,	9 1	28.5	33.6	34.0	1.	30.0	1	ŧ	30.2	1	28.6	1	28.4	ı	1	29.7	1	1	1 1	1	1	ı	30.0	1 8	33.4	1	0.76	O HO	1	1
	Tahrenheit.	19.	0.99	50.1	d 1	0.09	612	0.19	1	0.19	1	ı	0.29	1	20.69	i	2.09	ı	1	56.4	1	1	í t	,	1	1	0.79	1 8	0.99	1	30.0	2 '	1	1
he Jeaths.	From Diseases in Cols, 6-12,	18.	6.1	0.6	0 00	2 4	0.0	1:0	1.0	1.1	9.0	10.	3.5	1.5	1.4	2.0	1:3	1.5	2.3	1:5	1:3	00 5	9 67	0.00	3.5	4.4	1.0	H	77		0.1	2.1	5.0	2.0
to the Week's Deaths	From All Causes.	17.	23.3	94.1	18.8	17.1	13.5	16.4	21.8	17.7	16.8	18.6	21.7	20.9	20.3	16.6	21.6	12.7	6.46	28.8	27.3	31.0	0.75	20:3	26.2	27.9	24.7	25.6	20.1	23.6	10.01	20.4	18.6	19.8
.113	Uncertified Causes of Dea	16.	47	14	<u> </u>	11	1	ଦୀ	1	ſ	1	C7		10	-	24	1	1	1	61	1 0	n :	1 1	1	4.0	70	7	7	27 :	-i t	- 6	1 -	1	1
	Deaths in Public Institutions	15.	1122	687		0.00	· 60	11	20	19	00	හ	6.1	33	00	2	14	<u>-</u>	00	94 ]	6	27.00	7 0	භ	9		-	<u>-</u>	00	3 5	127	9 9		eg eg
	Inquest Cases.	14.	355 1	184	-	*	4	က	60	00	-	1	4	11	က	13	00	က	ಣ	14	9	97	7 2		ണ -	4	-	, · · · ·	c i	 o	<u> </u>	o ,eo	7	9
	Violence,	13.	162 3	75	_	Ç1	ଦୀ	_		4	-	ı	7	00		20	9	C.I	1	00	က	00 L	. e.i	F	en (	.77	1	1 0	n 1	9 -	H 1	-	7	4
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	Fever,	11.	37		. 1	1	1	1	f	í	1	ì	e1	4	1		4		1	<b>c</b> 4	1 (	27 -	+	-	. CV .	7	٦.		<u>~</u>	1 0	9 1	-	1	1
rom	W hooping- cough,	10.	136	13	64	1	-	1	ଦୀ	4	1	63		4	7	źn.	1	ī	20	C1 /		41 cr	, –	67	1 10	<u>.</u>	-	- С	o :	1 0	r ic	5 67	7	-
Deaths from	Diphtheria.	9.	80	45	6.4	1	_	্য	F		63	က	-	ଦୀ	1	4	1	ı	1	ro	1	1 0	1 01	H	67	1	i	1 -	41	21 12		-		1
I	Scarlet Fever.	∞,	21	7	- 1	1	1	1	i	1	ı	1	11	C.3	1	1	6/3	ſ	1	60	Н	1	1 00	, <sub>–</sub>	i	1	1	1	1	1 0	0	1 1	1	1
	Measles.	7.	103	30.	12	1	1	ଦୀ	1	1 .	1	1	1	6/1	ı	1	1	-	1	03	ed 8	07.0	o H	-	6.1	1	P.	1 0	N	10	1 6	9 -	-	н
	small-pox.	6.	,	1	-	,	1	1	ſ	(	2	1	1	1	ŧ	1	1	ı	1	ı	1.	1	1 1	1.	. 1	Ļ	1	1	ř.	1	1	1 1	1	1
18 of	Persons aged 60 Years and upwards,	5,	1492	665	26	14	22	19	14	37	6	13	П	29	12	17	35.	6	14	25	63.0	96	18	6	50	7	14	16	578	27	10	1 2	9	. 21
Deatl	infants under l Year of Age.	4	1022	376	26	1-	20	I	7	61	15	2	13	46	12	24	21	9	14	69	11	00	16	15	22	47	6	200	13	36	6.6	14	10	21
		ສະລິ	5099	2099	108	42	43	09	42	109	09	27	37	206	44	89	66	26	55	350	85	100	261	44	63	63	49	48	18	192	777	57	38	87
18th March 1899,	BIRTHS, DEATHS.	24	6694	2613	192	200	55	95	49	201	102	62	62	330	70	114	112	99	67	445	112	338	14.4	61	93	14	45	47	2	247	150	283	78	125
POPULATION	to the middle of the Year 1899.*	1,	11,404,408	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	185,826	103,732	88,821	514,956	113,260	213,851	239,384	106,401	115,162	634,212	162,221	543,902	150,772	113,081	135,154	117,622.	103,464	97,721	236,241	423,889	301,108	145.613	106,552	228,625
-		is.	1	ı	1	í	ı	ı	1	i	,	F	NC	1	1	ı	1	Ř	1	1	1	ı	1 1	£.	á	1	1	1	2	1	1	1	1	
CITIES	вовотеня,	Cois.	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	Р ТУМОТН	BRISTOL	CARDIFF -	SWANSEA	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY = :	BIRKENHEAD ,	LIVERPOOL -	BOLTON -	MANCHESTER,	SALFORD -	BURNLEY -	BLACKBURN -	PRESTON	HUDDERSFIELD	HALIFAX -	BRADFORD -	LEEDS -	HILLIAN -		GATESHEAD -	NEWCASTLE -
									-									-	-															

TABLE 2. LONDON.—Births and Deaths Registered in the ELEVENTH Week of each of the Eleven Years, 1889-99.

S11	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
Total Births  Males Females -	2699	2717	2751	2576	2656	2558	2821	2806	2551	2576	2810·3	2613
	1366	1381	1413	1303	1314	1287	1451	1435	1288	1332	1427·7	1326
	1333	1336	1338	1273	1342	1271	1370	1371	1263	1244	1382·6	1287
TOTAL Deaths - Males Females	1638	1771	1751	1983	1573	1608	2317	1752	1531	1869	1925*2	2099
	812	907	887	1037	799	862	1310	898	806	934	973*4	1030
	826	864	864	946	779	746	1507	854	725	935	951*8	1069

<sup>\*</sup>The numbers in this column are the average weekly numbers in the eleventh week of the ten years 1889-98, raised by 5.213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

11	n Hos	PITA	LS, In	the L	ast T	HIRTE	HEN Y	EERS					
	Dec. 24.	Dec. 31.	Jan.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.	Feb. 11.	Feb. 18.	Feb. 25.	Mar.	Mar. 11.	Mar. 18.
TOTAL Births	2422	2215	2893	2435	2811	2686	2696	2802	2862	2752	2676	2627	2613
TOTAL Deaths	1470	1593	1666	1568	1503	1381	1690	1991	1686	1875	1925	1954	2099
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \begin{pmatrix} \textbf{Under 1 year} & - & - \\ 1-5 & \text{years} & - & - \\ 5-20 & \text{"} & - & - \\ 20-40 & \text{"} & - & - \\ 40-60 & \text{"} & - & - \\ 60-90 & \text{"} & - & - \\ 80 & \text{years and upwards} \\ \end{pmatrix}$	292 189 100 213 292 316 68	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147
Deaths from—  Small pox	24 14 46 21 - 21 - 19	31 12 47 32 - 15 1 14 -	27 11 30 41 - 17 - 13	27 8 34 37 10 -11	30 8 30 40 - 16 - 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10 -	21 7 49 45 20 15	27 4 40 38 - 16 - 11	32 7 29 55 1 13 -	36 7 48 61 - 9 - 12	38 9 36 55 - 9 - 13	35 7 45 73 - 7 - 8
All the above Diseases -	145	152	139	127	134	123	133	157	136	147	176	160	175
Dis. of Respiratory System—Phthisis—————————————————————————————————	284 156 136 73 153 470	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 188 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 210 198 75 184 637
TEMPERATURE OF THE AIR.  Mean	40·1 45·3 34·6	43·3 48·1 36·8	42·0 46·9 36·2	45.0 50.7 39.8	47.4 51.9 41.9	38·2 43·2 33·7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 39.9	40.7 48.2 34.0	38.0 47.7 28.3	40.2 49.4 31.1	42:5 52:4 33:8
Humidity of the Air	80	84	87	83	84	80	83	83	82	81	79	73	87
Rain-fall (in inches)	0.03	0.81	0.24	1.03	1:00	0.08	0.18	1.19	0.72	0.03	0.01	0.07	0.00
Registered Sunshine (in hours)		14.0		20.3	3.3	35.8	7.4	10.2	22.0	1 £8.8	34.1	43.7	19.7
CASES OF INFECT	rious	SICKN	esș II	N Hos	PITAL	S* AT	THE F	ND OI	EAC	H WE	EK.	, 6	. 7
Snall-pox	2901 1261 266	2939 1248 255	2912 1256 254	$\begin{vmatrix} 1\\ 2777\\ 1257\\ 250 \end{vmatrix}$	1 2749 1304 243	2679 1368 249	2665 1377 1229	2642 1378 228	2587 1403 231	2575 1394 215	2584 1374 207	2540 1313 193	2437 1261 183

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley! Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 4.

				19.	uE V	EN.	In	vy	еек	of the Year 1899.									
AUSES OF DEATH  To be and under 60 to be and under														day	, 18t	h Ma	ndin irch ons o	1899.	
AUSES OF DEATH	1 Average eek of t 1389-98*	ES Sc.				1der 40.	.der 60.	der 80.	and ls.	CAUSES OF DEATH	Averages ek of the 1889-98*,	ES.	1	Jnde 20.	er	under 40.	der 60.	under 80.	and ls.
	Corrected 11th W	ALL AG	θ-1-	1-5,	5-20.	20 and ur	40 and ur	60 and ur	80 years upward		Corrected 11th Week	ALL AGES.	0-1,	1-5.	5-20.	20 and ur	40 and under 60	and	86 years
CAUSES	1925.2	2099	376 	<b>27</b> 8	106	238	436 	518	147	Diseases of Circulatory } System	155.2	198	3	4	15	27	59	79	11
ll- {Vaccinated   - Unvaccinated   x   No Statement   sles   - et Fever   - psing Fever   -	0°1 0°4 0°2 64°0 14°9	35	- - 11 -	- 22 4	22	_ _ _ _ _		1 1 1 1 1	,	Croup	6.0 302.5 151.3 6.7 37.0	5 333 183 9 35	55 41 - 4	4 38 61 2 1	1 1 1 -	8 19 - 4	47 31 5 8	1	4
enza	59°7 67°4 40°3 0°2 8°5 0°3 13°7 0°3	125 73 45 - 7 - 8	4 22 4 - - 6	51 26 - - -	13 - 5 -	14:		40	16 - - - - 2	Dentition	14·7 1·7 11·6 7·5 24·4 30·5	11  16 6 26 33	6 -11 2 2 8	_	1 - 6	22 - 2	- 1 - 15 12	- 1 - 7 4	1
ttent Fever ophobia lers oox and Effects of ceination } real Affections	0·1 0·2 9·9	- 11	- 9	1 1 1 1		1	- - 1	7.1.1.1	1 1 1	Diseases of Lymphatic ) System & of Duetless Glands	2.7		-				_		-
pelas nia and Septicæmia peral Fever r Zymotic Diseases	4·2 1·5 3·9 1·4	3 1 4 2	1 - 1	1 1 1 1		3 -	1 1	1 -	111	Diseases of Urinary System 3	46.1	75 	_1	3		11	25	26	9
sh - other Para-}	0.3	3 1	3	-	-	-		-	-	Diseases of Generative } System	4°6 4°7	10 2	-	-	1	3 2	6		
cal Diseases - )	-								_	Diseases of Locomotive }	6.0	5			1	2	1	-	1
ation, Want of ast-milk	2.6 8.0	- 13	-	-	- 1	- 2	7	4	-	Diseases of Integumen-	6.2	3	1		-	-	-	2	-
matic Fever, eumatism of Heart } matism	7·2 2·6 3·7 6·6 70·2 20·3 27·1 177·9 22·2 13·4	7 1 1 7 92 15 18 210 22 19	- - 10 4. 27	7 1 5 9 3 1	2 - - 3 18 7 2	75	_ ;	1 1 42 - 21 1 3	3 - 1	VIOLENT DEATHS.;  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks. (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Sealds, Ex- plosions	59-9	4 6 - - 9		4	3	2 1	1 2 2	1 1	
nature Birth setasis enital Malforma- las Age	50.5 3.4 7.6 58.9	53 7 8 70	53 7 6 -	-	- 2	1 171 6.7	- 1	32	37	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		5 14 2 22	3 14 - 3	1	1 2	1 3	- 5	- 5	
olexy copsy ulsions r Diseases of Brain   i Nervous System }	50 6 8 1 44 2 101 2	46 3 31 84	1 26 8	- 5 7	5	2 - 9 ]	-	29 2 - 29	4 - 9	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1:7 10:4 01	3 10 -	1 -	-	1	- 2 -	2 5	2 -	111
ises of Organs of }	3.6	1	1	-	-	-	~	-	-	OTHER CAUSES -	51.7	41	33	2	1	_	4	1	_

the numbers in this column are the average weekly deaths for the ten years 1005-co, raised by \$2.5 per cent. To population.

population.

nly those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered teal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the e of death is not certified by a registered practitioner, the case is returned underthe heading "no statement."

he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of tent. murder manslaughter or suicide. All such "asses are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASL SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE &c., registered in es SUB-DISTRICT during the Week ending Saturday, 18th March, 1899.

SUB-DISTRICT during the Wo	eek enum	ig sat	uraay	, 101	DII IN	ar 31	1, 15	99,									
		İ		_			The	DEA	'HS r	giste	red d	iring	the W	eek i	neluc	le	
	Enume-			De	athsoi					Deat	hs fro	m				1	tions,
REGISTRATION SUB-DISTRICTS.	Populations	Total BIRTHS.	Total DEATHS.	Infants under 1 Year	Persons aged 60 Years and upwards,	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-ocugh,	Typhus,	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhosa,	Violence,	Inquest Cases.	Deathsin Publicanstitutions
LONDON -	4,411,710	2613	2099	376	665		35	7	45	73	_	7	-	8	75	184	637
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE DESCRIPTION OF THE PROPERTY OF THE PROPER	778,251 1,040,694 233,635 716,334 1,642,796	366 566 141 509 1031	431 436 136 343 720	57 78 26 81 134	146 147 36 89 234	1 1 1 1 1	1 15 3 12 4	1 2 - 1 2	5 8 2 5 24 1	14 19 2 9 29	11111	- - 3	111111	2 2 2 1 1	14 20 5 14 22	29 44 16 43 52	146 116 46 115 181 33
REGISTRATION LONDON*)							-75										
St. Mary Paddington G. & W.  St. John Paddington H G.	90,996 33,510	39 10	35 14	4	11 2	-	-	1 1	1 -	-	-	-	-	-	1 -	1 -	7
Kensington Town Ww W. Brompton HH W & C.	122,164 48,301	53 7	83 24	7 1	37	-	-	-	1	- 1	-	-	-	-	2	7	43
St. Peter Hammersmith W. St. Paul Hammersmith HH W. & G. Fulham W 10 W. & C.	9,097 95,102 113,781	6 47 96	5 45 79	2 5 19	1 17 23		1	- 1	1 2	- 2 6	-	-	-	- 1 1	1 5	2 8	3 23
Chelsea Kensal Town - C. Chelsea North $WHHHHHH - C$ . Chelsea South $HE$ C.	21,450 $42,057$ $33,139$	15 19 14	2 38 18	1 5 3	- 11 4	-	 		-	3	-		-			1 2	18 J.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	3 21 19 5	18 20 14 15	1 3 3	8 5 5 4										1 2 1	1 3 2	12 7 10
	23,050 12,048	9	18	1 -	11 -	-	-	-	-	1 -		-	-	-	1	1	8 2
NORTH DISTRICTS.  All Sonls Marylebone   - W. HHHHHHHHHH  Rectory Marylebone W G.&W. St. Mary Marylebone   G.&W. Christchurch Marylebone H - W. St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	9 2 32 12 15	16 19 6 10 9	2 1 2 1	3 10 2 4 3			1		1		1 1 1 1		1 1 1 1 1	1	1 - 1 1 1	10 6 2 -
$\left.\begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array}\right\} - \text{N. & W.}$	75,449	29	25	3	7	-	-	1	3	1	-	1	-	-	2	3	11
Regent's Park Pancras $HH$ - W. Tottenham-court $\Big\}$ - N. & W. $WHHH$ - N. & W. Gray's Inn Lane $HHH$ - N. Somers Town $HH$ - N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	13 10 17 24 13 60	14 15 16 23 14 32	3 2 4 11 3 4	5 6 4 1 10 12		- - - - - -	1 1 1 1 1	1 1 1 1 1	- 2 5 1	1 1 1 1 1	1 1 1 1 1	-	1	1	1 - 3 1 - 1	3 11 3 3 10 9
Upper Holloway $WWWwHH$ Islington South-west $H$ - $N$ . Islington South-6ast - $N$ . Highbury $HH$ $N$ .	98,273 107,365 66,549 64,577	43 69 44 30	56 41 21 30	7 8 5 4	18 12 10 15		4 2 1 -		1 -	2 1 2	1111	1 - 1	1 1 1 1	1	3 1 - 4	4 4 2 6	29
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$   \left\{     \begin{array}{c}             13 \\             40 \\             31 \\             29 \\             31     \end{array}   \right. $	9 11 15 20 34	1 3 2 3 7	2 4 3 5 11	11711	- 2 - 5	1 1 1 1	31	1 1 1 1 1			1111	- 1 - 1 -	- 2 3 4	1 - 4 3 8	- 4 4 10

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Worknouse belonging to the District or Union; w—Worknouse belonging wholly or partly to other District than that in which it stands;  $\mathcal{U}$ —Hospital;  $\mathcal{U}$ —Lunatic Asylum;  $\mathcal{U}$ —Private Lunatic Asylum in which paupers are received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signific Grand Junction Company; W. West Middlesex; G. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. East London; and K. the Kent Company.

See note † on first page of this Return.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, JARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each UB-DISTRICT during the Week ending Saturday 18th March, 1899—continued.

			1				The	DEAT	HS re	giste	red d	uring	the V	Veeki	nolud			_
	Enume-			Death	3 of		1		De	eaths	fron						ution	ξ ;
EGISTRATION SUB-DISTRICTS	Population 1896.	TotalBIRTHS.		Infants under I Year of Age,	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhosa,	Violence	InquestCases	Deaths in Public Institution:	Uncer thed Causes
CENTRAL DISTRICTS.  George Bloomsbury N. Giles South $WH$ N.	16,110 12,976	27 73	10	2	-4	-	-	-	-				_	1 1	-	- 2	5:	111
Martin-in-the-Fields HHN. & C. and WHH N. N. M. William Workhouse, Edmonton	13,077 11,839 +1,037	3 2 7	9 6	1 1 1	2	-	1 1 1	-	-		-				2 -	1 2 -	5 5 -	111
born wHHHHHHHH - N.  James Clerkenwell - N. well Clerkenwell - N. well-street - N. y-road HHHH - N. sbury - N. born Union Workhouse, ttcham N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	16 12 29 14 35 4 1	25 5 14 7 24 3 1	63518	6 2 5 2 5 1 - 1	111111	21 -		1	111				1	1	1 2 4	12 - 5 - 1	1
Botolph H - N. & E. pplegate - N. & E. Sepulchre WH - N. hallows Barking - N. ad Street H - N. y of London Asylum, Stone -	6,870 3,299 9,591 9,059 2,892 †388	4 1 3 -	6 1 15 3 1	1	1 1 2 3	-	11111		1		-		-	11111	- 2	1 -	12 - 1	1
EAST DISTRICTS.  oreditch South $Hl$ - E. & N. oxton New Town $w$ N. oxton Old Town N. & E. eggerston $WH$ N. & E.	27,645	9 24 25 34	7 16 7 39	3	1 5 1 12	-	1 -		2	- 1 1	-			101	2 2	1 3 - 4	1 5 - 20	1 1 1
othnal Green North $H$ - E. thnal Green South E. thnal Green East $WHl$ - E.	34,194	39 20 32	16 19 26	9	2 1 13	-	5 -	-	-	1 -	-	-		- 1		2 1 3	18	1 -
italfields E.& N. ile End New Town* WH - E. odman's Fields* E.	26,681 } 51,995 {	16 19 15	5 34 7	3	1 2 2		2 -	-	ĩ	-	-	-		-	1 2 1	2 3 3	29	-
.George's North E .John, St. George East W E	39,576 7,930	29 7	7 14	3	- 6		-	= -	-	2 -	-		-	-	-	1 2		-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	14,954	5 14 20	11	1 2 7	1 2 2	-	-	-	1 -	1	-	-	-	-	1 -	1		-
ile End Old Town West H E ile End Old Town East WWww	( 111,000	{ 64 33	19		6 5			-	-	1 -	-	-	-		1 -	3	9	-
$egin{array}{cccccccccccccccccccccccccccccccccccc$	.   69,821	33 34 37	14	2 8	8 6 15 4 6	-	2 1	1 -	- ī	1 1 -	-	-			i 1	551	15 2	-

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of London.

\* Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub
District and Goodman's Fields Sub-District.

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEEA, VIOLENCE, &c., registered in er SUB-DISTRICT during the Week ending Saturday, 18th March, 1899—continued.

	Commence of the second						7	The	DEAT	HS re	gister	ed du	ring t	he W	eek iz	nelud	8	
		Enume-			Deat	hsof				I	eaths	fron	1					tions
1	EGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Fersons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Utphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœs.	Violence.	InquestCases.	Deaths in Public Institutions
	South Districts.	•																
St. Ken Bon Lon Tri St.	Saviour Southwark   WHL.&S.   Saviour Southwark   -   S. & L.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	3 10 15 10 18 19 50 13	3 9 14 10 12 24 9	143334422	3111333	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1111111	1 2 1 - 2 -	1111111	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	1	- 2 1 1 1	9
Bei	Olave $WH$ S. mondsey $W$ S. nerhithe $WwH$ - S. & K.	11,731 85,475 40,379	6 67 26	19 37 23	2 7 1	11 6				1 -	- 5 1	-				2	2 1 2	17 5 9
Lar Ker Ker Bri	terloo-road $HH$ - L. & S. mbeth Church 1st $H$ - L. & S. mbeth Church 2nd $WW$ L. & S. unington 1st $H$ - S. & L. nnington 2nd - S. & L. xton $w^{-}$ - L. & S. twood $WH$ L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	28 18 35 36 31 28 12	10 16 35 21 13 23 9	4345332	3 15 8 6 6 3	111111	1	111111	-3 -1 1	231	111111		111111	111111	1 2 1 - -	1 4 1 1	1 13 22 - 2 -
We Cla Wa Put	at Battersea S. st Battersea $WwH$ S. spham $H$ S. andsworth $WHHL$ - S. speatham $WwwwL$ L.	71,730 93,385 46,953 58,101 20,566 61,644	43 56 21 34 8 40	27 43 18 25 9 23	6 9 3 4 1 7	10 13 7 10 5 9		11111	- - - 1	- - 1	1 4 - 1	111111	7 10 1 1 1	-	111111	2212-	5622	13 2 1 - 5
Car	wich L. & S. nberwell Wwll - S. & L. kham WW - S., L., & K. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 39 53 46	73 34 26	1 5 7 8	29 13 7		1	1 1 1	1 1 2	1 2		1 1 1		1 1 1 1	2 2 2	- 5 3 4	41
Dep Dep Gre	obtford North $-$ K. obtford Central $w$ K. obtford South K. enwich West $H$ K. enwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	26 38 10 13 33	12 21 6 3 24	3 7 - 4	2 3 3 2 11		1 1 1 1		5 - 1	1	11111			1	11111	1	5 - 14
Lev	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	1 10 32 18	7 6 18 10	1 2 2	5 4 7 3			- 1 -	- 4 -	1 1 1 1	1111	- 1	-		1111	1	9 2
Wo Wo Plu	olwich Dockyard K. clwich Arsenal HHHH - K. mstead West H K. mstead East WH K.	15,928 19,355 21,959 16,714 42,538	7 15 15 17 28	9 7 4 7 14	2 1 - 3 3	1 3 - 2 6	1.1.1.1	1		1	1		ī	2 1 1 1 1		11111	1 - 1	5 - 5
Cat Can Hos Dar Lon Han Coli N.E Wir Lea	astead Asylum			2 4 5 - - 5 4 - 2 9		221 - 22 - 31	1111111111	11111111111	1	1				1111111111		111111111111111111111111111111111111111	111111 1 11111	24554-292

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 18th March, 1899.

en	ding Saturday, 18th March	h, 1899.																
			The	DEA	THS 1	egist	ered i	n the	Week	incl	ıde	,	_					
is- on			Enume-	ro	βά	Deat				3	Death	s from	0.				0	uses
ict n- s.	REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Caus
701	JOON-OUTER RING -	368,749	1,422,063	1109	639	149	216	_	23		-9	16	5	3	21	44	64	6
: 1	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	16 6	3 2	1 -	1		1 1	1 1	-	1 1	-		-	-	-	92 01
:1	Godstone, part of* W -	2,754	1,598	-	1	-	1	-		-	-		-	-		-	-	-
:1	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	71 9	52 8	8 1	20 4		-	-	ī	-	_	1 -	2	4	12	-
:12345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	16 27 12 13 13	18 16 1 3 8	3 - 2 2	11 5 1 1 4	11111	1 - - -	1111	1 -	- - 1		111111	1	1 - 1	5	11111
:1	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	14 10	14 9	3 4	5 -	-	- -	-	-		-	ī	1	1	2	-
:123	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	10 8 8	$10^2$	- 1 1	1 5 1		-		1 1 1		-	-	-	-	- - 1	1
: 1	Bexley HHH	12,540	30,590	52 -	13 3	4 -	2 1	-	-	-	-	1	-		-	1	3	-
: 1	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	10 5	5 3	ī	2 2	-	-	-	-	1-	-	-	-	-	-	-
: 1 2 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	1 11	5 3 3	- 1 1	3 2 -	-	_		-	-	-	-	1 1 1	-	7 - 7	-
12345	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	20 6 27 20 21	16 11 11 15 15	3 1 5 5	11 3 6 3	- 1	1 1 1 1 1		3	1 2 -	-	1,111,1	411	- 4 1 -	1 -	1
:1 2 3 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	9 4 64 12	5 25 10	2 - 5 -	1 - 8 4	1111	1 -	1 4 1 1		- - 1		- 1	1111	- 1	- - 2	1
123	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	1 8 15	5 4 9	2 1 1	1 2 3	-	-	-	- 1	- 1	-	-	1 -	1 -	-	-
123456	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	37 74 31 18 5 5	20 48 12 11 1 7	5 9 5 3 1 2	6 17 6 3 - 2		2	11111		1 3 - 1	- - - -	11111	- - - 1	2 6 1 - 1	- 2 1 1 -	
:1	Hatfield, part of* W	3,306	582	1		-	-	_	-	-	-	-	_	-	· -		-	-
1 2	Bushey H Watford WH, part of* -	9,331	7,737	3 -	1	-	2 1	-	1, 1		-	-	-	-	-	-	$\stackrel{2}{1}$	-
1 2 3 4 5 6 7 1 2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	34 73 57 28 60 63 54 9	14 25 33 19 33 53 22 5	1 8 13 3 11 9 7	4 3 5 8 10 17 8 1	11111111	3 6 2		2	1 2	211	1111111	1 2 - 3	1 3 - 2 4	1 1 26 1 1	1
3	Romford, part of * WH - Ilford Barking Town, H Middlesex County Asylum Annexe, Streatham.	6,556 8,493 3,814	4,324 10,913 14,301	14 18 -	11 7 1	34	1 3 1 -	1 1 1 1			ī -		1 1 1	-	1	1 3 2	1	1.1.1.1
		:		1										:				
The	parts of sub-districts include	etrop	olita	n Pc	lice	Dist	rict	whic	h fo	rms	the C	ute	r Rii	19				

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in field sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping of 1,079); 189: 1, the parish of Dagennam in Romford sub-district; also deaths in Workhouses and Hospitals for ctious Diseases belonging to the Outer Ring in 42: 2, Dartford: 137: 2, Watford; and 187: 2, Epping sub-districts,

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 18th March, 1899.

ľ				ANNUA	L RATE			The DE	ATH	s regi	stered	l in th	e We	ek inc	lude		
ı	GREATER	Area	Population estimated	of MOB	TALITY Diving,	DEATHS	Deat	ths of		1		Death	s fror	n			Public fours.
	LONDON.	Acres.	in the middle of the year 1809.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria,	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pu
ľ	Cols.	1.	2.	3.	4.	5.	6.	7,	8.	9.	10	11.	12.	13.	14.	15.	16.
	GREATER LONDON	443,421	6,528,434	21.9	1.8	2738	525	881	-	58	7	54	89	12	11	96	701
ı	INNER LONDON -	74,672	4,546,752	24.1	2.0	2099	376	665	-	35	7	45	73	7	8	75	637
	OUTER RING -	368,749	1,981,682	16.8	1.5	639	149	216	-	23	-	9	16	5	3	21	64

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

		a	nd :	in certain	Foreign	CITIES.							
	POPULATION			1		ANNUAL	DE	ATHS	FROI	PRIN	NCIPA SES.	L ZYM	OTIC"
CITIES	(enumerated	DATE OF RETUI	RN.	BIRTHS.	DEATHS.	DEATH- RATE	pox.	es.	et r.	eria.	ing- b.	Jr.	Diarrhœal Diseases
- · ·	estimated).	Week end	ing	Exclusive	of Stillborn	per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.	arrh
							Sn	A	02	Di	B		ÖH
EDINBURGH	298,927	March	18	149	106	185	_	2	1	- 1	9	2	-
GLASGOW	733,903	27	18	453	309	22.0	-	18	3	4	10	4	7
DUBLIN -	349,594	99	18	180	217	32.4	-		-	2	10	-	
CALCUTTA -	466,460	January	28	-	_	-	-	-	_	-	-	- "	:
18	821,764	February	28	201	2212	140.0	7	108	19	?	9	1098†	107‡
	452,518	91 1	. 3	311	386	44.3	1	2	?	?	. \$	38	101;
PARIS	2,511,629	March	11	1245	1195	24.7	-	19	-4	13*	20	10	32
	- 551,011	19	11	264	309	29.2	-	26	-	-	2	-	19
AMSTERDAM	512,758	,,,	4	333	155	15.7	~			1	2	1	1,00
ROTTERDAM	306,439	,,,	4	214	139	23.2	-		,	. 2	4	1	
THE HAGUE	196,325	**	4	135	64	16.7	-	2	-	-	2	· -	
COPENHAGEN	345,000	2)	11	202	150	22.7	-	9	3	3	3	Ĩ	3
STOCKHOLM .	- 283,550	j,	4	145	145	26.6	-	- 7	-	11*	3		2
CHRISTIANIA	203,337	21	11	139	65	16.6	-	-	[1	1	-	-	1
ST. PETERSBURG	1,132,677	***	4	679	589	27.1		9	8	14	8	28	37
Moscow	988,610	. 29	4	-	480	25.3	1	19	8	13	-	6	21
BERLIN	1,805,054	February	25	946	625	18.0	-	3	6	11	13	-	22
HAMBURG	675,351	March	11	-	222	17:1		-	-	4*	4		4
DRESDEN -	- 388,300	January	21		-	-	-				-	-	-
BRESLAU	406,012	March	11	-	206	26.5	-	-	3	3	1	-	12
MUNICH -	445,000	99 **	11	-	216	25'2	-	-47	-	4*	-	-	18:
VIENNA -	1,000,020	**	11	993	776	25°1	-	17	8	18**	3	1	. 44
1	380,497	. "	4		-	-	-	-		-	-	-	-
DODE I EDIL	666,722	72	4	481	380	29.6		õ	4	6	-	8	, 15
TRIESTE -	165,913	' 99	4		-	- No.		1,-		. "	-	-	17
ROME	500,610	February	25	275	224	23'3		-	-	1	5	85	11
TURIN (11 days)	344,203	January	31	268	204	19.7	-	2	17	6	7	-	6
VENICE -	169,883	March	4	68	103	31.2	-	2	-	2*	-		3
CAIRO	010,002						, <del></del>		- 1	. <del>-</del>	-		
	319,766	:		-	-	-	-	-	-	-	-	~	-
NEW YORK (including	3,550,053	February	25	1570	1406	20.7	_	3	18	24	10	7	14
BROOKLYN) PHILADELPHIA		1	25	-	639	26.3			1	20	4	38	3
THE MENT HIA	1,200,002	95	20		000	200			1	.40	*	30	
		-			1	1	1		_				

<sup>\*</sup> Including deaths from croup.
† Including 945 deaths from plague.
‡ Including 2 deaths from cholera in Bombay and 4 in Madras.
§ Including 1 death from malarial fever.

_		-		_		_	_									-								_
		Ozone			0.0	0.0	0.0	0.0	0.0	0.5	8.0	0.1	26		sea:	prolp	years years the er is	The	tions ment	and seter,	rate;	nent,	fth;	
Rain	in a	whose receiving	surfaceis 5inches above the Ground.	in.	0.00	00.0	0.00	0.00	0.00	0.00	0.00	Sum 0.00	25		el of the	The mea	t corrective ty 1868 for rmomet	umn 8).	observa	ding 1878 higher,' hermom	Electrometer m. moderate	Instrum	A.M. on	
			Departure from Average of 16 Years.	Wiles	-135	- 240	-252	-217	-138	- 190	+ 35	Sum -1140	24		ean leve	el. 1. P.M. 7. 9 and til	ation o	air (col	ygrome nofthe orizonts	licates".	istering E weak; m	anshine	b. P.M. (1. by 5h.	
D.		Robinson's.	Horizontal Movement of the Air on each Day.	Wilos	189	82	67	100	177	123	344	Sum 1082	23		nianignt ve the m	o sea lev L, and 91 nometer	ade duri y years d dry b	perature of the sir (column 8). The amidity are deduced from the mean	discussic	rthe 16 y lat + inc dexerrol	elf-regist	Stokes Si lay.	in. by 51	
tatamon		16	Mean of 24 hourly obs.	170	0.0	0.0	0.0	0.0	0.0	0.0	0.3	:	22		nt to retabo	duce t 3h. P.1 ther	s by the right went	or the peratu midit	by Gia rom a and t	rds for nind th thein	mson's self negative;	pbell-	30.22 used to	
ianv m		Pressure on the Square Foot.	Least.	170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21		159 fe	to re	value c rece the t	ings of tem of br	rived f g 1890	icreco e in n bedfor	Thoms N. ne	e Cam	sed to decrea	
ncen rec		Pressu	Great-	The	1.6	0.0	0.0	0.0	1.0	0.0	4.4	:	20		rom n eter is	adinge A.M.; 1 1e dry	daily graphi luring	read value degre	batde:	ometri 3 born 3orrect	from 7	om th	decrea	ומי מי
man as detw	Osler's.	trection.	P.M.		N. & E.	ENE. E. &	Variable	ENE. ESE.	ENE. & E.	WSW. &	NE, NNE.	ariable	161		of the baron	ied to the re taken at 9h. arometer, tl	into mean of the photo leter, and corrected in	corrected mean of the readings orming the mean daily value of tem point temperature and degree of hi	wer builbth of the airist the 50 years	of the anem 24 it will b e.	od. y is derived e:—P. posit	3, derived fr n of bright	the 13th; A.M. on the	in, by one
		General Direction.	А.М.		WSW., W.		0	Variable, calm	ENE.	E. & SE.	WSW. &	Vari	18		The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 159 feet above the mean level of the sea	one correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9th. A.u., incon; 3th. P.M., and 4th. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb	thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years only 1873 for the barometer, and during the twenty years ending 1803 for the thermometers. With the corrected mean reading of the dry bulb thermometer is	outpured, we corrected mean of the respirite in the installmin and minimum chemicals, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean	any yauves of the try and wet bull thermometers by chaisner subgreen that the analyst and the construction that the anisthand derived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement	of the air from a discussion of the anemometric records for the 16 years ending 1875.  Threading columns 9 and 24 it will be borne in mind that + indicates "higher," and  "loner," than the average.  The values given in column 17 are not corrected for the index error of the thermometer.	which cannot be determined. The record of Electricity is derived from Thomson's solf-registering Electrometer. The symbols employed are: P. positive; N. negative; w. weak; m. moderate.	s, strong; and w. variable.  Show the aggregate duration of bright tensions of bright many strong and strong many strong and strong many s	to 30.93 in. by 8h. A.M. on the 13th; decreased to 30.22 in. by 5h. A.M. on the 15th; decreased to 30.22 in. by 5h. A.M. on the 15th; decreased to 30.20 in. by 5h. A.M. on the 15th; decreased to 20.90 in. by 5h. A.M. on the 15th; decreased to 20.90 in. by 5h. A.M. on the 18th; and increased to 30.90 in. by 5h. A.M. on the	odesical to our or
K.E.		Of the Earth	3 feet below the Surface.	0	42.31	42.70	43.18	43.39	43.39	43.42	43.21	43.13	17		esults a	ection h vations -readin	meter, a from 1873 fo meters.	compined the characters, in ear daily dew	veraget t Green	ir from whing ecer," that	ecord c mbols	g; and umbers neaggre	in. by ed to 30	тапт пп
CEMPERATORE,	-	tion.	Lowest on the Grass.	0	33.6	28.3	2.92	24.2	23.9	31.7	26.3	27.8	16	1	The r The b	Obser the eye	thermo deduce ending thermo	(hormo mean d	Thea Thea made a	of the air In readi - "lower, The val	which The r	S. stron	to 30.43	TOPH , d
WH.L	Č	Radiation.	Highest in Sun's Rays.	0	3.76	100.4	76.3	102.5	0.99	2.20	78.8	81.8	15				g pre- wards	valent	r frost	ning; ercast		l very		
	Degree	of Hu- midity (Satu-	ration equals 100).	-	83	06	68	19	26	94	78	- 87	14	O.	2		after	g pre	i hoan	ly mor lly ov		ss and		
ween			Least.	0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	13	MARK			g; der udless	nse fo	Fog and hoar frost	in earl genera		loudle		
nce bet	the Air Temperature and Dew Point	aperatur	Great- est.	(c)	11.4	11.4	2.91	14.6	4.5	4.8	13.2	10.6	12	GENERAL BEMARKS			nornin t.; elo	cloudless; dense fog prevalent		y fine	ght.	ing; c		
Differe	the Air	Ten	Mean daily value.	C	2.0	2.8	3.1	6.1	6.0	1.4	6.5	3.7	11	NER A	TATELY	loudy,	arly r h. A.n r 11h. 1	loudle	very f	nd ver 1 9b. ≜	g at ni	even rds.	D	
	Of the	Dew point.	Mean daily value.	C	44.5	41.4	38.7	37.9	37.6	39.3	32.3	38.8	101	H 7	5	Generally cloudy	ly in etill 11	Generally (	Cloudless; very fine.	Cloudless and very fine in early morning; anse fog till 9h. A.M.; generally overcast terwards.	Cloudy; fog at night.	Cloudy till evening; cloudless and very ne afterwards. Foggy and gloomy in rly morning.		
五,		1	De- parture from Average of 50 years,	c	8.8 +	+ 3.3	9.0 +	+ 2.6	0.8 -	6.0 -	1	+ 1.3	6			Gene	Cloudy in early morning; dense fog prevalent till 11h. A.M.; cloudless afterwards with fog after 11h. P.M.	Generally c	Cloudless in morning	Cloudless and very fine dense fog till 9h. A.M.; afterwards.	Cloud	Cloudy till ever fine afterwards, early morning.		
TEMPERATUB		ir.	Mean daily value.	0	49.5	44.5	41.8	44.0	38.5	40-7	38.8	42.5	00	Sun above Horizon.	hours.	9.11	11.7	11.7	11.8	11.8	11.9	12.0	Sum 82.5	29
TEMPE		Of the Air.	Daily Range.	0	14.5	29.2	23.3	30.4	12.3	9.1	13.4	18.6	7	ared Su	ırs, in									88
			Low- est	0	42.6	34.4	29.4	28.7	32.3	37.1	31.9	33.8	9	Registered   Sunshine	in hou	GT 67	9.9	9.7	2.6	0.0	0.0	2.0	Sum 197	67
			High- est.	0	57.1	26.9	57.7	59.1	2.57	46.5	45.3	52.4	2	of	(e)	out -	l ⊳:	Σ. -	ont -	out -	- mon	out -		
METER.	Mean	daily reading (cor-	rected and re- duced to 32° Fahren- heit).	.1	30.316	30.394	30.343	30.562	30.276	30.157	29.980	30.247	4	ELECTRICITY.	ls, see Not	w. P. throughout	w. P. generally	w. P. generally	w. P. throughout	w. P. throughout	w. P. throughout	w. P. throughout		27
		Phases of the			:	:	:	:	:	;	Greatest Dec. N.		3	ELE	dmys	w. P.	w.P.	w. P.	w. P.	w. P.	w.P.	w.P.		
			В		13	13	14	21 2	16	17	13	1	un -			12	13	. 14	Y 15	- 16	- 17	- 18		1
	1899.		MONTH AND DAY	MARCH.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	MARCH.	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

### OFFICIAL COPY.

#### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.O.

No. 12. 1899. Vol. LX.] WEEK ENDING SATURDAY, MARCH 25. [Price 1]  $d \cdot$ 

> General Register Office, Somerset House, March 27th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 23.1 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	I		. 1	Weeks	endin	g
Towns.	Mar.	Mar. 11.	Mar. 18.	Mar. 25.		Towns.	Mar,	Mar.	Mar. 18.	Mar. 25.
33 Great Towns			23.3	23'1	l	Leicester	14.6		16.6	
Birkenhead - Birmingham -	25·4 20·2		$\begin{vmatrix} 24.9 \\ 20.9 \end{vmatrix}$	$\begin{vmatrix} 23 \cdot 1 \\ 22 \cdot 1 \end{vmatrix}$	l	Liverpool London	$\begin{vmatrix} 29.8 \\ 22.1 \end{vmatrix}$	$\begin{vmatrix} 28.0 \\ 22.4 \end{vmatrix}$	1-0	$\begin{array}{c} 26.1 \\ 23.2 \end{array}$
Blackburn -	23.9			25.1	I	Manchester	29.6		31.9	
Bolton Bradford -	19·3 19·9		27.3	22.5	ı	Newcastle-on-Tyne Norwich	$ 21.2 \\ 19.8$		1 - 0	19·4 20·7
Brighton -	16.9	20.7	18.2	1-2	l	Nottingham	19.4	17.6	21.6	20.5
Bristol -	16.4	140		18.0		Oldham	21.1	29.7	$\begin{vmatrix} 28.0 \\ 21.8 \end{vmatrix}$	32.5
Burnley - Cardiff	13.7	19·4 13·5	1	$\begin{vmatrix} 24.0 \\ 13.2 \end{vmatrix}$		Plymouth	18.1			
Croydon -	13.1	16.3	17.1	19.6	I	Preston	25.3	1		19.9
Derby	21·6 22·0	100 C 100	12.7	$\begin{vmatrix} 22.5 \\ 19.6 \end{vmatrix}$		Salford Sheffield	19.8 22.5		31.5	
Gateshead - Halifax -	20.3		25.6	22.4		Sunderland	23.3	1	1	
Huddersfield-	16.1	~ 0		16.1		Swansea		16.6	1	1 .
Hull	17·8 20·8		$\begin{vmatrix} 16.5 \\ 23.6 \end{vmatrix}$	$\begin{vmatrix} 19.4 \\ 25.0 \end{vmatrix}$		West Ham Wolverhampton -	$\frac{19.8}{19.4}$	19.8	$ \frac{18.8}{21.7}$	1
Leeds	20.9	20.2	20.0	20.0	1	worvernampton -	17 4	110	21 1	EU ±

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Bolton, 1.1 in Sunderland, 1.2 in Salford, 1.7 in Manchester, and 2.3 in West Ham; from scarlet fever, 2.0 in Derby; from whooping-cough, 1.0 in London, in Bristol, and in Swansea, 1.3 in Preston, 1.4 in Cardiff, 1.8 in Birkenhead, and 2.1 in Plymouth; and from "fever," 1.8 in Wolverhampton. In none of the thirty-three towns did the death-rate from diarrhæd reach 1.0 per 1000, The 81 deaths from diphtheria included 37 in London, 8 in Sheffield, 7 in Leeds, 6 in Leicester, and 3 in Portsmouth. No death from small-pox was registered in any of the thirty-three towns.

#### LONDON.

In London† 2480 births and 2025 deaths were registered. Allowing for increase of population, the births were 203 below, and the deaths 230 above, the average numbers in the corresponding weeks of the last ten

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean ate of increase in the last intercensal period had since been maintained.

including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong

years. The annual death-rate per 1000 from all causes, which had been 22·1, 22·4, and 24·1 in the preceding three weeks, fell again last week to 23·2. During the four weeks ending on Saturday last the death-rate averaged 23·0 per 1000, being 1·0 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 2025 deaths included 33 from measles, 4 from scarlet fever, 37 from diphtheria, 90 from whooping-cough, 4 from enteric fever, 11 from diarrhoe and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 179 deaths were referred to these diseases, being 30 below the corrected

average weekly number.

The deaths from measles, which had been 36, 38, and 35 in the preceding three weeks, further fell last week to 33, and were 36 below the corrected average; 4 cases belonged to Islington, 4 to Bethnal Green, 3 to Hampstead, 3 to Hackney, and 3 to Camberwell sanitary areas. The deaths from scarlet fever, which had been 7, 9, and 7 in the preceding three weeks, further fell last week to 4, and were 10 below the corrected average; 3 cases belonged to St. Pancras sanitary area. The deaths from diphtheria, which had been 48, 36, and 45 in the preceding three weeks, fell again last week to 37, and were 3 below the corrected average; 5 cases belonged to Battersea, 4 to Hackney, 3 to St. Pancras, 3 to Newington, 3 to Lambeth, and 3 to Greenwich sanitary areas. The deaths from whooping-cough, which had been 64, 55, and 73 in the preceding three weeks, further rose last week to 90, and were 24 above the corrected average; 11 cases belonged to Islington, 10 to St. Pancras, 8 to Chelsea, 8 to Lambeth, 6 to Fulham, 6 to Newington, 6 to Battersea, and 5 to Greenwich sanitary areas. The fatal cases of enteric fever, which had been 9, 9, and 7 in the preceding three weeks, further fell last week to 4, and were 2 below the corrected average. The deaths from diarrhaa, which had been 12, 13, and 8 in the preceding three weeks, rose again last week to 11, but were 3 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 470, 529, and 565 in the preceding three weeks, further rose last week to 604, and were 154 above the corrected average. The deaths attributed directly to influenza numbered 108, having been 97, 100, and 125 in the preceding three weeks.

Different forms of violence caused 56 deaths, concerning all of which inquests were held. Of these 56 deaths, 8 were cases of suicide, and 1 of homicide, while the remaining 47 were attributed to accident or negligence. Six of these were referred to vehicles in the streets, 4 to burns and scalds, 1 to poisoning by coal-gas, and 8 (of infants under one year

of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2355 cases of scarlet fever, 1200 of diphtheria, 173 of enteric fever, and 7 of typhus, under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 177 cases, against 236, 217, and 224; of diphtheria, 110 cases, against 142, 133, and 133; and of enteric fever, 15 cases, against 27, 14, and 26.

GREATER LONDON.

In Greater London 3511 births and 2637 deaths were registered, corresponding to annual rates of 28·0 and 21·1 per 1000 of the estimated population. In the Outer Ring 26 deaths from measles, 1 from scarlet fever, 16 from diphtheria, 20 from whooping cough, 1 from "fever," and 3 from diarrheea were registered. Seventeen deaths from measles, 6 from diphtheria, and 6 from whooping-cough occurred in West Ham district; 8 deaths from measles and 3 from diphtheria occurred in Edmonton district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.72 inches, and that of the Thermometer 32.02; the latter being 9.6 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 3 per cent, above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 31.3 hours; the measured rainfall amounted to 0.11 of an inch.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

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	Lowest,	heit.	150	13.1	20.3	1	13.1	23.5	53.0	- 0.60	0 77	1 1	18:5		14.0	1	13.6	1	1	8.97	1	1	ı	ı	1 1	1	22.7	1	23.4	1	ı	19.0	1	1	7
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ths of	ersons aged 60 Years and upwards.	d ic	3 9	1486	641	17	20	G 16	51 99	38	15	11	50	99	18	24	29	2	14	08	23	98 8	80 6	1.9	1 22	10	17	18	30	48	27	2 5	= =	- 5	7
Deaths	nfante under 1 Year of Age.	1I 4		1042	370	34	10	9 9	07	2 83	14	п	2	67	9	21	25	=	11	22	16	69	77	119	14	17	4	2	88	30	e :	88 8	7.	# C	AT .
Registered during the Week ending 25th March 1599.	DEATHS.	e:	1004	1900	2025	100	84 5	00	0 60	111	47	46	20	218	45	81	94	46	51	317	70	348	7.17	CA CH	2 18	45	32	42	86	203	165	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	96	940	00
Registere the Weel 25th Mar	BIRTHS, DEATHS	्रा	0044	1129	2480	189	19	77	2 2	190	26	999	54	332	65	116	119	46	62	370	88	307	137	00	65	63	43	41	66	204	300	134	97	07	em
Population	to the middle of the Year 1899.*	1.	41 404 400	11,*0*,*00	4,546,752	300,241	127,759	123,220	190,741	320.911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	218,244	211,001	135,754	117,622	103,464	97.721	236,241	423,880	361.169		140,613	-	420,020
CITIES	AND BOROUGHS,	Cols.		SS TOWNS	LONDON	WEST HAM	ı		POKISMOUTH -	1 1	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH	LEICESTER	NOTTINGHAM -	DERBY	BIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -		OLDHAM -	BLACKBURN	PRESTON	HUDDERSFIELD -	HALIFAX	BRADFORD	LEEDS	SHEFFIELD		SUNDERLAND		- THE CASTLE

TABLE 2. LONDON .- Births and Deaths Registered in the TWELFTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2670	2534	2575	2437	2729	2496	2650	2483	2707	2218	2682 <sup>-</sup> 8	2480
	1404	1283	1335	1269	1373	1289	1340	1258	1393	1123	1374 <sup>-</sup> 8	1249
	1266	1251	1240	1168	1356	1207	1310	1225	1314	1095	1308 <sup>-</sup> 0	1231
TOTAL <b>Deaths</b> -  Males - Females -	1554	1637	1667	1744	1703	1689	2190	1603	1534	1731	1794.6	2025
	762	850	879	930	877	849	1099	825	802	873	920.2	981
	792	787	788	814	831	840	1091	778	732	858	874.4	1044

The numbers in this column are the average weekly numbers in the twelfth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSDITALS in the Lost THIDTEN WEEKS

	1	n Ho	SPITA	LS, in	the L	ast T	HIRTI	EEN V	EEK	3.		**		
ı		Dec. 31.	Jan.	Jan. 14.	Jan. 21.	Jan. 28.	Feb. 4.	Feb. 11.	Feb. 18.	Feb. 25.	Mar.	Mar.	Mar. 18.	Mar. 25,
ı	TOTAL Births	2215	2893	2435	2811	2686	2696	2802	2862	2752	2676	2627	2613	2480
	Total Deaths	1593	1666	1568	1503	1381	1690	1991	1686	1875	1925	1954	2099	<b>2</b> 025
	$ \begin{array}{c} \textbf{Ages at} \\ \textbf{Ages at} \\ \begin{array}{c} 1-5 \\ 5-20 \\ 0-20 \\ 0-40 \\ 0 \end{array}, \begin{array}{c} - \\ - \\ - \\ - \\ - \\ 0 \end{array} \\ \begin{array}{c} 0-80 \\ 0-90 \\ 0 \end{array}, \begin{array}{c} - \\ - \\ - \\ - \\ 80 \end{array} \\ \textbf{years and upwards} \end{array} $	339 188 95 188 354 350 79	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 337 474 100	363 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127
	Deaths from— Sinall pox Measles Diphtheria Whooping-cough Typhus Simple Continued Fever - Diarrhosa and Dysentery - Cholera	31 12 47 32 -15 1 14	27 11 30 41 17 13	27 8 34 37 10	30 8 30 40 16 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10 -	21 7 49 45 - 20 - 15	27 4 40 38 -16 -11	- 32 7 29 55 1 13 - 10	36 7 48 64 - 9	38 9 36 55 - 9	35 7 45 73 7 7 8	33 4 37 90 - 4 - 11
1	All the above Diseases -	152	139	127	134	123	133	157	136	147	176	160	175	179
	Dis. of Respiratory System—Phthisis—————————————————————————————————	306 165 157 93 209 488	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 189 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532
	TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings -  Mean of Lowest readings -	43.3 48.1 36.8	42.0 46.9 36.2	45.0 50.7 39.8	47·4 51·9 41·9	38·2 43·2 33·7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 39.9	40.7 48.2 34.0	38·0 47·7 28·3	40°2 49°4 31°1	42·5 52·4 33·8	32*2 40*9 24*8
	Humidity of the Air	84	87	83	84 .	80	83	83	82	81	79	73	87	63
	Rain-fall (in inches)	0.81	0.24	1.03	1:00	0.08	0.18	1.19	0.72	0.03	0.01	0.07	0.00	0.11
ı	Registered Sunshine (in hours)	14.0	5.6	20.3	3.3	35.8	7.4	10.2	22.0	€8.9	34.1	43.7	19.7	31.3
I	CASES OF INFECT	'IOUS	SICKN	ESS IN	Hosi	PITALS	* AT	THE E	ND OF		WEE	ck.		
	Scarlet Fever Diphtheria Enteric Fever	2939 1248 255	2912 1256 254	2777 1257 250	2749 1304 243	2679 1368 249	2665   1377 229	2642 1373 228	2587 1403 231	2575 1394 215	2584 1374 207	2540 1313 193	2437 1261 183	2355 1200 173

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their neteorological observations at the disposal of the Registrar-General, and the results have been compiled by f. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D. Portsmouth; Arthur Newsholme, Esq., M.D. Brighten; W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton: Arthur Brown, Esq., M.Inst. C.E., and f. Bobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C. S. Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

ABLE 4. LONDON.-DEATHS Registered at several groups of Ages from different CAUSES in the

				T	'wı	ELF	гн	W	eek	of the Year 1899.									
	years		In Satur	the day,	Wee 25tl	k end Mar	ling ch l	899			the		I Satu:	n th rday	e <b>W</b> e	ek e h Ma	ndin reh	g 1899.	
	res for the 10		D'é	aths th	of I	Person ges	ıs ot	f			the 10		D		s of i			î	
USES OF DEATH	Average of 1889-96	of the state of th	τ	nder 20,	r×,	ler 40.	under 60.	under 80.	and	CAUSES OF DEATH	Averages k of the 1889-98*,	υ <u>α</u> .		Und 20,		ler 40.	ler 60.	Jer 80.	bunds.
	Corrected Averages 12th Week of the 1889-98*.	ALL AGES	0-1	1-5.	5-20.	20 and under 40.	40 and und	60 and und	80 years upwards.	/	Corrected 12th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80	unwards.
AUSES	1794.6	2025	370	272	89	230	423	514	127	Diseases of Circulatory System	147.7	181	1	3	13	24	48	73	6
l- Vaccinated 1 Unvaccinated No Statement es	0.5 0.1 68.5 13.8 0.1	- 33 4 -	- - 6 1	25 3	-	1 1 1 1 1 1		111111	1,11111	Croup	6.0 251.5 155.1 4.9 32.9	1 320 228 9 46			24-	7 26 2 4	56 39 2 14	4	1
nza	41.8 66.0 39.8 - 6.3 0.1 13.5	108 90 37 - 4 - 11	1 34 2 - - 5	4 53 22 - - 2	13 - 2 -	21 - 1 - 1	32 1 - 1	33 3	15	Dentition Quinsy, Sore Throat - Enteritis Peritoritis Diseases of Liver Other Diseases of Digestive System	12.8 1.8 11.4 6.9 26.6 30.3	2 16 3 22 31	2 -7 -1 5	-	ī ī -	1 2 3 8	3 - 12 6	- 2 - 6 8	-
tent Fever	- 0*3 8*0	1 1 1 0	5	-	-	- 2	- 1			Diseases of Lymphatic System & of Ductless Glands	1.7	1	-		-	-		1	+
eal Affections	3.5 2.0 3.5 1.5	8 3 1 4 1	1	1111	1111	-     4   1	1	2 -	1 1 1 1	Diseases of Urinary System	45*7	68	1	2	1	10	<b>2</b> 2	30	- J.C.
h	0.7	2		 _ 1		   - 1			-	Diseases of Generative System Accidents of Childbirth-	6.1	7 4	-	-	-	2 3	4 1	1 - -	1 1 1
al Diseases - 3									-	Diseases of Locomotive	5*8	6	1	1	4	-		- -	1 1
ation, Want of ast-milk	. <b>1.</b> 5 8.5	2 16	1 -	, <del>-</del>	-	4	9	3		Diseases of Integumen- tary System-	6.0	7	-		-	_	1	4	2
matic Fever, umatism of Heart natism - ts - T Mesenterica - cular Meningitis - sis - la, Tuberculosis - Constitutional ases -	7·2 2·5 4·6 6·6 6·8 19·3 24·8 169·5 21·6 12·9	7 -4 2 71 12 30 182 16 15	- - 1 11 2 2	- - 1 - 4 17 7 6	16	1 1 1 1 75	_	- 2 35 - 15 - 4	1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions	53.8	4 6 - 4 - 4	11 1 11	1 - 3	1 1	1 1 - 3	3 2 1	- - - -	1
ature Birth tasis nital Malforma-) s ge	43·2 2·8 8·2 58·5	61 6 76	61 3 4	1		1		30	- - 46	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes -		2 2 17	- 8 - 3		1 - 21 -	1 3	1 4	-	2
exy	42:3 7:9 42:7 98:9	56 2 27 71	1 21 11	- 6 8		1 - 4	20 - 16	29 2 - 23	4 - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	11 92 -	1 8 -	111	111	111	12-	- 5	_1	111
ses of Organs of }	3.1	5	-	-	4	-	1	-	-	OTHER CAUSES -	49.9	45	43	1	-	-	1	-	-
ne numbers in this co	lumn ar	e the	ave	rag	e w	eek	ly d	lea	thsi	or the ten years 1889-98, rai	sed by 5°2	213 pe	er c	ent	. fo	r in	cre	ase	

ne numbers in this column are the average weekly deaths for the ten years 1000 column.

pulation.

hy those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered as men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the cof death is not certified by a registered practitioner, the case is returned under the heading "no statement." no death is not certified by a registered practitioner, the case is returned under the heading "no statement." no death is not certified by a registered practitioner, the case is returned under the heading "no statement." et al. (a) the property of the result of the property of the result of the property of the result of the res

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIABRHERA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 25th March, 1899.

SUB-DISTRICT during the We	ek endin	g satu	truay,	40 ti	ii Mis	or Str	, 15	, J.										_
,							The I	BATI	HS re	gister	ed du	r.ng t	he W	ekın	oluu	е		
	Enume-			Dea	ths of	٠.			. 1	Death	s from	m					ntions	of
REGISTRATION SUB-DISTRICTS.	rated Population	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Stall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence,	Inquest Cases,	Deathsin Publicenetitutions.	Uncertified Causes Death.
LONDON -	4,411,710	2480	2025	370	641		33	4	37	90		4		11	56	163	532 ~-	14
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON®	778,251 1,040,694 233,635 716,334 1,642,796	392 532 141 466 949	370 455 127 356 684 33	65 75 25 74 131	127 147 38 97 216	1 1 1 1 1 1	12 2 11 8	3 - 1	3 11 1 2 20 -	22 24 3 8 33		1	-	4 1 3 3	11 12 4 11 18	27 36 12 46 43	99 98 41 113 148 33	3 1 10 -
$ \begin{array}{c} \text{WEST DISTRICTS.} \\ \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \\ H G. \end{array} $	90,996 <b>33</b> ,510	56 10	41 17	9	14		-	1 1		1		-	1 1	1 -	1 -	2 -	5 8	-
Kensington Town Ww - W. & C.	122,164 48,301	54	67	15 1	32 4	_	-	-		4 -	~=;	-	-	1 -	ī	1	25 2	-
St. Peter Hammersmith - W. St. Paul Hammersmith HH W. & G. Fulham Ww W. & C.	9,097 95,102 113,781	9 62 86	1 49 56	9 10	1 16 18	-	11.1	1 1 1	- 1 1	- 3 6	-	ī	1 1	1 1 1	- 1,	<b>5</b>	4 11	-
Chelsea Kensal Town - C. Chelsea North WHHHHHH - C. Chelsea South HH - C.	21,450 42,057 33,139	13 19 14	7 36 13	1 4 2	2 7 3		1.1.1		- - -	8 2		-	1 1 1	1 1 1	2 -	3	13 1.	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	5 15 13 7	8 36 12 4	7 2 -	5 9 1 1	1111				-		- -		2 -	1 4 1 -	1 6 2 -	17 17 1	1 - 1
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N.	23,050 12,048	9	9	3 1	5 -	-	-	-	1 -	-	-, -	-	-	-		-	4 -	1 -
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	7 6 27 9 14	16 9 6 5 7	2 - 1 3 2	6 2 -	1 1 1 1 1				1		1 1 1 1			1 1 1 1	3 - 1 -	4 2 1 -	
Hampstead - N. & W.	75,449	19	32	4	14	-	3	2	1	-	-	-	-	-	-	2	9	-
Regent's Park Pancras HH - W. Tottenham-court	37,341 26,757 29,426 32,161 16,669 98,410	19 10	14 13 11 14 22 34	3 1 2 3 4 7	1 3 2 3 12 8	1 1 1 1 1	2	- - - 1	1 2	2 - 4 3 - 1	1 1 1 1 1	1 1 1 1 1			2 1 - 1 1	2 2 - 1 1 2	1 9 1 3 12 5	
$ \begin{array}{c cccc} Upper Holloway & & - & - & N. \\ \hline WWWwHH & & & - & N. \\ Islington South-west & H & - & N. \\ Islington South-east & - & N. \\ Highbury & HH & - & - & N. \\ \end{array} $	107,365 66,549	67 32	58 30 26		31 20 8 13	1 1 1 1	2 2 -		1 4 1 1	6 3 2	1 1 1 1			1	- 2 1 1	1 7 3 1	32	1 1 1 1
Stoke Newington $H = -N$ , North Hackney $E$ , & N, Central Hackney $ww = E$ , & N, South-west Hackney $HHH$ E, & N, South-east Hackney $WwH$ E, & N,	213,044	( 16	5 12 23 24 32	3	1 2 1 4 12		1 1 1 -	11111	6 - 1	1		- 1 -			1 - 2	3 2 1 4	- 8 4 7	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Districts than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers are received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New River; E. East London; and K. the Kent Company.

See note † on first page of this Return.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, CARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday 25th March, 1899—continued.

JB-DISTRICT during the We	ek ending	Satu	rday	25tł	ı Ma	rch	, 189	99—	cont	inu	ed.							
							The	DEA	TH81	regist	ered	durin	g the	Week	inolu	ide		
	Enume-				hsof				I	Death	s from	n					itution	s of
E ISTRATION SUB-DISTRICTS	rated Popu- lation 1596.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa.	Violence	LaquestCases	Deaths in Public Institutions	Uncertified Causes
Garrage December																		
CENTRAL DISTRICTS.  eorge Bloomsbury N. iles South WH N. iles North H N.	16,110 12,976 9,151	5 20 5	1 7 6	- - 1	2 3	1 1 1			1 1 1		-	-		1 1 1	111	2 -	1 3	1 1 1
artin-in-the-Fields HHN.&C. nd WHH N. nd Union Workhouse, Edmonton	13,077 11,839 +1,037	2	8 12 2		3 2	1.1.1	-		1.1.1			-		1 1 1	111	11	3 4 2	
oorn wHHHHHHHH - N. ames Clerkenwell - N. well Clerkenwell - N. well Clerkenwell - N. road HHHL - N. tecross-street - N. bury - N. orn Union Workhouse, tcham - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035	14 7 24 16 31 3	16 5 11 9 12 4 6	6344311	1 2 4 - 3 3	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TITLET	interi	1 - 1	11111811			1 111111	1	1 1 1 -	9 - 4 - 3	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	32 22 1	3 18 3 -	1111	3 7 - 1	11111	11111	11111	1 - 1	111111		-11111	21111	11111	3	5	1 <u>1</u>	11111
EAST DISTRICTS.  reditch South $Hl = E$ . & N.  ton New Town $w = -N$ .  ton Old Town $N$ . E.  gerston $WH = -N$ . & E.	17,975 29,575 27,645 47,163	7 19 16 26	7 21 8 32	- 4 1 4	1 7 2 15	1111	2	1111	1,1,1	1			1111			1 5 2 -	2 9 -	Crei
nnal Green North $H$ E. hnal Green South $-$ E. anal Green East $WHl$ - E.	49,301 34,194 45,667	47 39 27	21 15 12	6 2 3	5 1 5	1 1 1	1 3 -	1 1 1	1 1 1	1.1.1		1		1	- 2	1 2 2	7	1 - 1
alfields $         -$	26,681 } .51,995 {	10 14 8	46 46 3	- 9 1	6	111	1.1.1	111	1	1	1 1 1	-		1 1 1	2 -	2 5 -	34	
Heorge's North - + E. Cohn, St. George East W E.	39,576 7,930	24 10	9 6	1 2	2 2	-	-	1.1	1, 1,	11	-	-	-	-		-	4	-
dwell $H$ E. & N. eliff $W$ E.	10,434 14,954 32,917	5 8 19	7 5 8	1 1 2	1 1 1	1 1 1	-	111	1	- 1 1		-		1 -	1	2 2 1	4 -	1 1 1
e End Old Town West H E. e End Old Town East - E.	} 111,060	{ 43 31	25 33	9 8	6 9	-	2 -	-	1-1	1	, <del>-</del>	-	-	-	1	3 4	1 12	
w $l$ $ +$ $E$ . $omley$ $wwwH$ $   E$ . $other WW   +  E.$	41,687 69,821 57,759	36 47 30	14 57 23	5 6 9	3 22 7	111	- 2 1		1 1 1	1 -	1115	-		1 1 1	1 1 2	3 7 4	23 1	1 1 1

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 25th March, 1899—continued.

							The	DEAT	H8 re	gister	ed du	ring	he W	eek i	nclud	е		
	Enume-			Deat	thsof	1			I	eaths	fron	a					lons	100
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhold) Fever.	Simple Continued	Diarrhosa.	Violence.	InquestCases.	Deaths in Public Institutions	Uncertified Causes
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	3 12 17 10 17 13 36 22	6 4 9 12 6 9 26	- 2 1 2 1 4 2	4 2 1 3 2 8 4		111111	1111111	- - 1	2 1 3 1	1111111	1111111	1111111	1 1 1	- 11	1 2 1	8	
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	8 53 30	15 25 17	332	1 6 8	1 1 1	- 1 -		- 1 -		-		141	1 1 1	5 1 -	6 1	11 4 9	
	28,396 18,770 40,994 52,486 43,244 81,825 29,318	23 7 23 44 16 29 15	16 17 22 31 12 34 9	1 10 1 8 3	4 3 10 7 6 8 4	111111		1111111	2 - 1 -	- 4			111111	1111111	- 21 - 21 -	1222242	1 10 17 1 2 1	
East Battersea S. West Battersea $WwH$ S. Clapham $H$ S. Wandsworth $WHHL$ S. Putney S. Streatham $WwwwL$ L.	71,730 93,385 46,953 58,101 20,566 61,644	49 45 18 41 11 36	34 42 17 21 1 31	13 9 7 6 - 2	5 16 2 3 - 12	11111	1 1 1 1	- - 1	3 4	4 2 1 3				11111	- 1 -	1 1 2	15 1 2 - 8	
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 53 55 32	2 51 26 18	1 & & & &	23 10 5	1111	- 2 1 -	1111	1111	1			1 1 1 1	1111	- 1 - -	22 -	28 1 -	
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	20 35 15 12 31	21 16 10 8 25	5 1 1 6	1 4 7 7 8	. 1 1 1 1	2 -	11111	8811	1 -	1 1 1 1	11111		-	1	2	3 - 12	
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	3 7 21 19	4 7 15 11	13 : 3	2394	1111	1111		- 1 -		1.1.1.1	1111	1111	1111	ī ī	1 - 1	2 - 3 -	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	10 9 14 6 26	8 9 5 6 17	1 2 1 3	2 1 1 4 5	11111	1	11111		1	1111	11111		11111	11111	1 1 -	2 - - 6	11111
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum Lendon County Asylum, Dartford Heath Colney Hathelm			3 1 2 - 2 6 1 - 8 8	1111111111	1 3 - 6 6	11111111111	11111111111	1111111111	-					111111 1 111111		11111111111	312 - 261 - 88	

LIE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 25th March, 1899.

								The	DEAT	CHS r	egiste	red in	the	Week	inclu	de		
Regis-			Knuma			Deatl	sof			D	eaths	from						00
ation istrict and Sub- strict Yum- bers.	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LON	DON-OUTER RING -	363,749	1,422,063	1031	612	144	197		26	1	16	20	1	3	16	43	56	13
30:1	Carshalton wHH Epsom. part of* WwHH -	12,228 10,423	26,108 12,508	19 13	2 6	$\frac{1}{2}$	1	-,	-	-	_'	-	-	-	-	-	2	
37:1	Godstone, part of * W -	2,754	1,598	1	2	1	1	-	- 1	-	-	г	~	-	-	-	-	-
38:1	Croydon WwHIH Mitcham w	20,851 11,697	128,699 23,072	68 7	54 8	10 1	24 2	-	-		1	1	-	-	4	$\begin{bmatrix} 7 \\ 2 \end{bmatrix}$	6	-
39:1 2 3 4 5		3,220 14,672 4,565		24 14 4 8 12	19 9 7 3 6	5 1 3 1	5 4 5 - 4	- 1 - 1 - 1	11111	1 1 1 1	-	3 -		-	1	5 1 - 2	ī	11111
40:1	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	12 8	16 5	- 1	9	-	-	-	-	-	-	-	-	1 -	3	-
41:1 2 3	Bromley HHH	9,127 6,542 14,307	23,915 21,969 20,372	13 9 9	4 6 9	1 2 3	3 3		1 1 1	1 1 1	1 1 -	- 1	1 1 1		-	-	1 2	
42:1	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	24	11	4 -	3 -		-	-	7 E	-	·ī	[-	-	-	1	1 -
124:1	Sunbury 11 Staines WH	11,054 13,277	13,671 13,221	7 6	4 11	1 -	2 5	=	-		-	ī	-	-	1 -	- 1	5	1 -
125 : 1 2 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	9 4 9	5 3 5		4 2 5	- - -			1 -		1 1 1		- 1 4	1 1 1	2	- 1
126:1 2 3 4 5	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	8 9 20 15 37	7 11 12 11 20	- 1 - 1 9	3 6 7 6 7	-		-	1 -	- - - 3,	1111	11111	1111		2	2 1
$127:1$ $\begin{array}{c} 2\\ 2\\ 3\\ 4 \end{array}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	14 - 64 13	1 29 6	1 - 5 2	$\begin{bmatrix} 2\\ -7\\ 1 \end{bmatrix}$		1	1 1 1 1	2 -	1 1 1	-	1111	- 1 -	- 1 -	- - 1	1 2 -
$128:1$ $\frac{2}{3}$	South Mimms HH Barnet WHH Finchley HHH	31,077 4,688	{ 6,367 14,152 25,820	3 7 12	4 2 7	$\frac{1}{2}$	$\begin{bmatrix} 1\\2\\2 \end{bmatrix}$	- - -	-	-	-	-	-		-	- 1	-	
129:1 2 3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	4	14 47 13 14 2 4	15 3 2 1	12 3 6 1	111111	6 2 -		1 1	1 1			1	1 1 - 1 -	1 - 1	1 1 1 -
135:1	Hatfield, part of * W	3,306	582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137:1 <sub>2</sub>	Bushey H Watford WH, part of*	9,331	7,737	3 -	1 -	-		-	-	-	-	-	-	-	-	-	-	-
186:1 2 3 4 5 6 7	Stratford H	3,266 4,334 6,501	53,511 32,713 70,188 57,330	73 48 36 62 41 59	14 30 38 9 13 42 30 8	5 11 14 8 4 12	$\begin{bmatrix} 1\\2\\11\\2 \end{bmatrix}$		666-132		1 1 2 2 - 2	1 3 - 1 1	1 1 1 1 1 1 1	1 1 - 1	312-1-1	3 2 3 1 1 3 3	132-122-	1 - 1
189:1	Romford, part of * WH	6,556	4,324	5	17		1 4		-	-	-	- 1			-	1 -	1.1.	
3	Barking Town, H  Middlesex Co. Lunatic Asy Wandsworth.	. 3,814	14,300	10 -	3	1	L 3	-	-	-	-	-	-	-	-	1 -	3	
	N. E. Fever Hospital Totten ham. Homerton Fever Hospital Hackney.		gardenis.	-	1		-	-	-	1	1	-	-	-	-	-	1	

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 25th March, 1899.

								_		_	_	_			_	
U.				L RATE			The Di	LATH	s regi	istere	d in tl	he We	ek in	clude		
GREATER	Area	Population estimated	of Mon per 100	TALITY 0 living.	DEATHS	Dea	ths of				Deat	hs fro	m			ablic as
LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence,	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	16.
GREATER LONDON	443,421	6,528,434	21.1	2.0	2637	514	838	-	59	5	53	110	5	14	72	588
INNER LONDON -	74,672	4,546,752	23.2	2.1	2025	370	641		33	4	37	90	4	11	56	532
OUTER RING -	368,749	1,981,682	16.1	1.8	612	144	197	-	26	1	16	20	1	3	16	56

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692 845 square miles, which is equivalent to the area of a circle having a radius of 14 851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN nd in certain FOREIGN CITIES

		ar	nd :	in certain	FOREIGN	CITIES.							
	Donux Amion					ANNUAL	DE	ATHS		M PRI DISEA		L ZYN	OTIC
CITIES	POPULATION (enumerated or estimated).	DATE OF RETUR Week endin		BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrheal Diseases
EDINBURGH - GLASGOW DUBLIN CALCUTTA BOMBAY MADRAS PARIS BRUSSELS AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW BERLIN HAMBURG DRESDEN BRESLAU MUNICH VIENNA PRAGUE BUDA-PESTH - TRIESTE ROME TURIN (10 days) VENICE CAIRO ALEXANDRIA - NEW YORK (including }	298,927 733,903 349,594 466,460 821,764 452,518 2,511,629 551,011 512,758 306,439 196,325 345,000 283,550 2°3,337 1,132,677 988,610 1,805,054 675,351 388,300 406,012 445,000 1,606,629 380,497 666,722 165,913 500,610 344,203 169,883 570,062 319,766	January March February March  " " " " " " " " " " " " " " " " " "	25 25 25 25 28 7 10 18 18 11 11 18 11 18 11 11 18 21 18 18 18 11 11 11 14 4 16 11 11 11 11 11 11 11 11 11 11 11 11	145 435 158  - 211 258 1175 250 281 225 123 158 132 150 1017 - 976 - 269 - 900 180 511 111 270 194 79 - 1656	119 334 214  - 2384 325 1295 294 166 127 73 155 110 58 581 532 638 244 150 194 218 681 234 371 96 230 193 98 1291	20'8 23'7 31'9	7 - 7 - 1	6 7 115 8 20 12 1 - 3 5 2 - 9 11 5 17 6 13 4 11	1 2 - ? ? 4 3 3 1 3 3 3 1 1 1 3 3 3 1 1 - 1 1 3 3 3 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 9 2 ? ? ? 17 1 2 5 2 1 1 6 5 2 1 1 1 1 6 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 4	1 3 1 1133 83 29 15 4 2 2 - 3 38 39 17 7 8 8 17 7 20 36 6 3 11 - 4 9 6 11
BROOKLÝN) ) PHILADELPHIA -	1,266,832	99 .	4	-	566	23:3		-	2	17	3	49	2

\* Including deaths from croup.
† Including 1068 deaths from plague.
‡ Including 8 deaths from cholera.

								211	0000	<i>37 00</i> 0	gico		Juser								1	L();
		Ozone.		0.5	8.0	0.0	0.0	0.0	0.0	0.2	6.5	26	ses:	ne of	tions vears the	mum The	tions ment	eter,	rate:	veek	day; the	
Rain	in a Gauge	whose	Sinches above the Ground.	in. 0.00	0.00	0.04	0.00	0.00	0.01	90.0	Sum 0.11	35	el of the	The means of	t correct wenty y 1868 for	d mininum 8).	observa	hermom	lectrometer. moderate	of the w	A.M. on	
			Departure from Average of 16 Years.	Miles. - 16	9	-107	+ 34	हा +	6 1	+154	Sum + 72	24	ean leve	el. 1. P.M.	sation of ing the tending	ulb the num an sair (col luced fr	ygrome nof the orizonta fears en	roftheti	istering Ele weak; m.	unsnine ginning	M. on the	
В.	Rohineon'e	MODILIS	Horizontal Movement of the Air on each Day.	Miles. 295	304	202	341	326	293	455	Sum 2216	23	nidnight ve the m	o sea lev f., and 91	mometer he applicade dur y years	naxin maxin reofthe	discussic hat of h	dexerro	elf-regis:	stokes siday.	by 11h, P.M. on the same day; to 30.08 in. by 7h. A.M. on the	
nometer		Je	Mean of 24 hourly obs.	1bs. 0-2	0.3	0.0	0.3	0.5	0.3	8.0	:	122	ht to	duce t 3h. P.1	s by tords more	of the of the perattement	by Giston a rom a true to right for the rost	thein	on's s	pbell- each 00 in. a	8 in. beased rek.	
m Aner		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig s 159 fe	s to re	value c recc	edings lings of tem	neters rived f ig 1890 ic reco	tedfor	Thoms N. ne	e Cam ine on om 30'	to 29'6; incre	
nced fro		Pressi	Great-	1bs. 2.5	4.7	1.6	7.5	4.3	2.0	8.1	:	20	from r	ading A.M.;	adaily daily graphi luring	ean re e read value degre	ermon hat de sendin ometr	correc	from Zive;	om th sunsh sed fr	eased e 21st	
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	N. NNW.	N. & NNE.	SW. &	NW.	N. & NNE.	N, NE.	SW.&	SW.	19	nvil day, or	ied to the re taken at 9h.	arometer, the into mean of the photo neter, and o	sorrected m nean of th mean daily erature and	wet bulb the of the air is the 50 years of the anem	e. in 17 are not	od. y is derived 'e:P. posit	s, derived fr n of bright neter decres	ne 20th; incr a. P.M. on the	
		General Direction.	A.M.	N. & NNW.	NNW.		NW. W.			S. & SSW.	N. &	18	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 189 feet above the mean level of the sea	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M., and 9h. P.M.	the eye-readings of the barometer, the dry blue mermometer, and we were thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the	thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily deep point temperature and degree of humidity are deduced from the mean mean daily deep point temperature and degree of humidity are deduced from the mean mean daily deep point temperature and degree or humidity are deduced from the mean mean daily deep point temperature and degree or humidity are deduced from the mean mean daily deep point temperature and degree or humidity are deduced from the mean degree of humidity are deduced from the mean daily deep point temperature and degree or humidity are deduced from the mean daily deep deduced from the deduced	Cally Values of the dry and wet built thermometers by distance is the grounderdraft abuse.  The average temperature of the air is that derived from a discussion of the observations made at Green wich during the 60 years ending 1890, and that of horizontal movement of the air from a discussion of the an emometric records for the 16 years ending 1875.  The coaling columns to one 0 years an emometric records for the 16 years ending 1875.	The values given in column 17 are not corrected for the index error of the thermometer.	which cannot be determined. The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate. s. strong; and v. variable.	The numbers in column 23, derived from the Cambboll-Stokes Sunsnine instrument, show the aggregate duration of bright sunshine on each day.  The reading of the barometer decreased from 30(0) in, at the beginning of the week	to 2957 in. by 3h. P.M. on the 20th; increased to 2968 in. decreased to 2948 in. by 3h. P.M. on the 218; increased 3derreased to 2948 in. by 4he end of the week.	
RE.		Of the Earth	3 feet below the Suface,	43.41	43.01	42.61	42.07	41.55	41.00	40.60	42.03	17	results a	ection b	meter, d from 1873 fo	meters. led the meters, aily der	alues or verage to or Green	values g	cannot record rmbols ig; and	number he aggre reading	in, by sed to sund deci	
TEMPERATURE.		tion.	Lowest on the Grass.	24.1	21.1	11.0	19.1	18.9	18.8	18.5	18.8	16	The 1	no corr Obse	the ey thermo deduce ending	thermo combin thermo mean d	Thea Thea made a of the ?	The Tree	which The 1 The sy s. stron	show t	to 29.57 decrea 25th: a	1
TEM	JO	Radiation.	Highest in Sun's Rays.	. 0	2.68	78.3	2.92	2.99	86.3	90.2	83.0	15		with	slight	after-	snow at	loudy	snow morn-	early	Brisk wind	
	Degree	midity (Satu-	ration equals 100).	89	-02	77	55	99	02	73	- 89	14	i.	rward	st in m sional	Snow in		ing; e	uent st in	rost in	Brisk	
meen			Least.	2.4	1.6	0.0	0.0	0.0	2.2	2.0	1:0	13	GENERAL REMARKS	Very fine till noon; cloudy afterwards with	oar fros Occas		. Slight	Fine with hoar frost in morning; cloudy ith frequent snow till afternoon; very	s. generally; frequent snow arnoon. Hoar frost in morn- nt.	*Very fine till noon with hoar frest in early norning: generally overcast afterwards	h. P.M.	
Difference between	the Air Temperature	aperatu	Great-	16.3	18.4	13.2	17.9	12.9	13.3	16.0	15.4	121	AL RE	; cloud	casional slight snow. Hoa Fine; partially cloudy. '	generally cloudy.	cloudy.	rost in	erally ;	n with	after 2	
Differe			Mean daily value.	0.6	8.5	0.9	13.7	2.6	8.4	2.8	9.1	=	NER	ll noon	ght sn ially c frost s	ərally	partially	hoar fint snc	rds. gene fterno ght.	ill noo eneral	it rain	
	Of the	point.	Mean daily value.	0.00	23.7	23.0	17.8	19.8	23.1	29.1	13.1	12	GE	fine ti	parti Hoar	; gene		with l	terwan fine rs in a d at nig	fine ti	requen	
E.			De- parture from Average of 50 years.	0 1	7.6	-12.4	-10.0	-12.3	9.01-	2.2	9.6 -	=		Very	occasional slight snow, Hoar trost in morning. Fine; partially cloudy. Occasional slight snow. Hoar frest at night.	Fine; g	Fine; 7h. P.M.	Fine with hoar fros	Ine atterwards.  Very fine general showers in afternoon. ing and at night.	Very fine	with frequent rain after 2h. P.M. at night.	
TEMPERATURE			Mean daily value.	34.5	35.5	29.0	31.5	29.2	31.5	36.9	32.5	100	Registered Sun above Sunshine Horizon, in hours.	12.0	12.1	12.2	14.2	12.3	12.4	12.4	Sum 85.6	29
LEMPE	Of the Air	V PILE A	Daily Range.	0 6.61	13.4	2.71	1.91	14.5	15.6	22.5	1.91	7	ared Su ine H urs. in					-H	63	10		28
			Low- est	98.7	27.6	20.3	0.76	23.1	25.2	24.2	94.8	9	Registe Sunsh in hou	6.1	0.9	Ş.	2.0	4.2	62	3.0	Sum 31.3	6.1
			High-	0 41.6	41.0	37.8	40.7	37*3	40.8	47.0	40.9	10	of (°)	out -	A.M.; v. P. P.M.;	Is. A.M.; f. till after-	y till and P.M.;	noon;	P.M.; (. fill after-	ly till	P.M.;	
BARO-	Mean	daily reading	-19 1	in.		29.554	29.516	59.636	<u>86</u> 8.86	29-994	29-723	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	w. P. till 7h. A.M.; s. P. till noon; v. P. and v. N. till sh. P.M.;	till 7h. nd v. N ; m. P. s	generall L. v. P. ill 7h.	till i	wards. m. P. till 2h. P.M.: v. P. and v. N. till 4h. P.M.; v. P. after-	general	tijl 7h. terward	27
	i	Phases		First	Quarter.	Apogee	:	:	:	In Equator		9	ELI (For e.	w.P.	s. P. till and v. I	m. P. afterwards. m. P. till 7h. A.M.; v. P. and v. N. till 6h. P.M.; m. P. after-	wards.  8. P. generally till 2h. P.M.; v. P. and v. N. Iv. Iv. P.M.;	s. P	mards. m. P. v. P. a 4h. P.M.	wards. w. P. generally till 2h. P.M.: w. P. and	v. N. S.	
	1899.		Month and Day	MARCH.	03 - 2		WEDNESDAY 22	THURSDAY- 23	FRIDAY - 24	SATURDAY- 25	MEANS -	No. of Column -	DATE. MARCH.	SUNDAY - 19	Mondax - 20	TUESDAY - 21	WEDNESDAY 22	THURSDAY- 23	FRIDAY - 24	SATURDAY- 25		No. of Col

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
BY DARLING & SON, LTD., 1-3. GREAT ST. THOMAS APOSTLE, E.C.

1899.

## WEEKLY RETURN

#### LONDON DEATHS IN BIRTHS AND

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 13. 1899. Vol. LX.] WEEK ENDING SATURDAY, APRIL 1. Price  $1\frac{1}{2}d$ .

> General Register Office, Somerset House, April 4th, 1899.

# THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 23.1 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	ending	g		٦	Weeks	endin	g
Towns.	Mar.	Mar. 18.	Mar. 25.	Apr.	Towns.	Mar. 11.	Mar. 18.	Mar. 25,	Apr.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	22·2 22·2 17·4 21·2 22·2 21·9 20·7 20·5 19·4 13·5 16·3 19·1 13·7 30·4 18·6 19·1 20·5	27·3 20·1 18·2 17·9 20·3 16·8 17·1 12·7 18·6 25·6 24·7 16·5	22·1 25·1 22·5 21·6 21·2 18·0 24·0 13·2 19·6 22·5 19·6 22·4 16·1 19·4	21·2 21·3 24·4 13·2 17·1 19·1 20·1 26·7 20·2 20·3	Leicester Liverpool London Manchester Newcastle-on-Tyne Norwich Nottingham Oldham Plymouth Preston Salford Sheffield Sunderland Swansea West Ham Wolverhampton	23·9 22·1 17·6 29·7 21·2 18·0 29·7 26·0 27·1 18·3 16·6	28·8 24·1 31·7 19·8 20·3 21·6 28·0 21·8 0 16·4 27·9 0 31·5 24·8 8 20·4 18·6 18·6 18·6 18·6 18·6	19.4 20.7 20.5 32.9 27.5 20.8 19.9 28.0 823.8 21.1	

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 2·3 in Bolton, and 2·4 in Manchester; from whooping-cough, 1·0 in Bristol, 1·3 in Hull, 1·6 in Plymouth, 2·3 in Birkenhead, and 2·8 in Burnley. In none of the thirty-three towns did the death-rate from scarlet fever, from "fever," or from diarrhæa reach 1·0 per 1000. The 68 deaths from diphtheria included 31 in London, 10 in Swansea, 4 in Sheffield, 3 in Birmingham, and 3 in Liverpool. No death from small-pox was registered in any of the thirty-three towns.

### LONDON.

In LONDON† 2609 BIRTHS and 1922 DEATHS were registered. Allowing for increase of population, the births were 154 below, and the deaths 158 above, the average numbers in the corresponding weeks of the last ten

By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong

years. The annual death-rate per 1000 from all causes, which had been 22·4, 24·1, and 23·2 in the preceding three weeks, further fell last week to 22·0. During the four weeks ending on Saturday last the death-rate averaged 22·9 per 1000, being 1·4 per 1000 above the mean rate in the corresponding

periods of the ten years 1889-98.

The 1922 deaths included 37 from measles, 4 from scarlet fever, 31 from diphtheria, 57 from whooping-cough, 9 from enteric fever, 1 from an ill-defined form of continued fever, 7 from diarrhoe and dysentery, and not one death from small-pox, from typhus, or from cholera; thus, 146 deaths were referred to these diseases, being 70 below the corrected

average weekly number.

The deaths from *measles*, which had been 38, 35, and 33 in the preceding three weeks, rose again last week to 37, but were 34 below the corrected average; 8 cases belonged to Hackney sanitary area. The deaths from scarlet fever, which had been 9, 7, and 4 in the preceding three weeks, were again 4 last week, the corrected average being 17. The deaths from diphtheria, which had been 36, 45, and 37 in the preceding three weeks, further fell last week to 31, and were 6 below the corrected average; 6 cases belonged to Lambeth, 4 to Hackney, and 3 to Fulham sanitary areas. The deaths from whooping-cough, which had been 55, 73, and 90 in the preceding three weeks, fell again last week to 57, and were 14 below the corrected average; 10 cases belonged to St. Pancras, and 7 to Camberwell sanitary areas. The fatal cases of enteric fever, which had been 9, 7, and 4 in the preceding three weeks, rose again last week to 9, the corrected average being 8; 4 cases belonged to the Eastern group of sanitary areas. The deaths from diarrhea, which had been 13, 8, and 11 in the preceding three weeks, fell again last week to 7, and were 4 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 529, 565, and 604 in the preceding three weeks, fell again last week to 505, but were 94 above the corrected average. The deaths attributed directly to influenza numbered 102, having been 100, 125, and 108 in the preceding three weeks.

Different forms of violence caused 63 deaths, concerning all but 1 of which inquests were held. Of these 63 deaths, 7 were cases of suicide, and 1 of execution, while the remaining 55 were attributed to accident or negligence. Four of these were referred to vehicles in the streets, 1 to a conflagration, 11 others to burns and scalds, and 12 (including 11 of infants

under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2312 cases of scarlet fever, 1175 of diphtheria, 148 of enteric fever, and 4 of typhus, under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 167 cases, against 217, 224, and 177; of diphtheria, 121 cases, against 133, 133, and 110; and of enteric fever, 13 cases, against 14, 26, and 15.

GREATER LONDON.

In Greater London 3578 births and 2533 deaths were registered, corresponding to annual rates of 28.6 and 20.2 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles, 1 from scarlet fever, 10 from diphtheria, 22 from whooping-cough, 4 from "fever," and 2 from diarrheea were registered. Five deaths from measles, 3 from diphtheria, and 9 from whooping-cough occurred in West Ham district; 5 deaths from measles and 4 from whooping-cough occurred in Edmonton district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.903 inches, and that of the Thermometer 50°1; the latter being 5°9 above the week's average in the 50 years 1841-90. The direction of the wind was south-westerly, the horizontal movement of the air being 46 per cent, above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 19.5 hours; the measured rainfall amounted to 0.37 inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

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egistered	Ist April 1899.		BIRTHS, D	- -	10	ישמים	2002	700	75	07	10 E	808	11	43	56	328	74	109	131	64	49	412	79	331	143	63	4.4	64	46	40	109	214	270	147	110	23 2	128
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TABLE 2. LONDON.—Births and Deaths Registered in the THIRTEENTH Week of each of the Eleven Years, 1889-99.

TOTAL Births  Males Females -	1889 2808 1403 1405	1890 2543 1332 1211	1891 2781 1457 1324	1892 2498 1259 1239	1893 2553 1276 1277	1894 2437 1244 1193	1895 2466 1227 1239	1896 2780 1401 1379	1897 2533 1320 1213	1898 2860 1458 1402	Corrected Weekly Average in 10 Years 1889-98.* 2762'8 1407'4 1355'4	1899 2609 1338 1271
TOTAL Deaths - Males Females	1476	1571	1799	1753	1732	1736	1781	1526	1505	1883	1763·6	1922
	731	810	944	900	918	863	927	778	778	948	904·5	936
	745	761	855	853	814	873	854	748	727	935	859·1	986

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirteenth week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

							MEN						
• • •	Jan. 7.	Jan. 14.	Jan. 21.	Jan. 28.	Feb.	Feb.	Feb. 18.	Feb. 25.	Mar.	Mar. 11.	Mar. 18.	Mar. 25.	Apr.
TOTAL Births	2893	2435	2811	2686	<b>26</b> 96	2802	2862	2752	2676	2627	2613	2480	2609
TOTAL Deaths	1666	1568	1503	1381	1690	1991	1686	1875	1925	1954	2099	2025	1922
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	325 175 78 224 390 396 78	320 177 87 223 331 346 84	289 169 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145
Deaths from— Small pox	27 11 30 41 - 17 - 13	27 8 34 37 - 10 - 11	30 8 30 40 - 16 - 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10 -	21 7 49 45 20 15	27 4 40 38 16 11	32 7 29 55 1 13 -	36 7 48 64 - 9	38 9 36 55 - 9	35 7 45 73 7 7 8	33 4 37 90 -4 -11	37 4 31 57 - 9 1 7
All the above Diseases -	139	127	134	123	133	157	136	147	176	160	175	179	146
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence—Inquest Cases—Deaths in Public Institutions—	365 163 186 82 209 540	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 189 165 74 152 539	481 192 194 69 178 593	413 154 156 79 168 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 209 198 75 184 837	604 182 181 56 163 532	505 139 195 63 155 503
TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings -  Mean of Lowest readings -	42·0 46·9 36·2	45·0 50·7 39·8	47·4 51·9 41·9	38·2 43·2 33·7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 39.9	40·7 48·2 34·0	38.0 47.7 28.3	40 2 49 4 31 1	42.5 52.4 33.8	32·2 40·9 24·8	50·1 59·0 43·2
Humidity of the Air	87	83	84	80	. 83	83	82	81	79	73	87	68,	77
Rain-fall (in inches)	0.24	1.03	1.00	0.08	0.18	1.19	0.72	0.02	0.01	0.07	0.00	0.11	0.37
Registered Sunshine (in hours)	5.6	20.3	3.3	35.8	7.4	10.5	22.0	58.9	34.1	43.7	19.7	31.3	19.5
CASES OF INFECT	ious s	SICKN	ESS IN	Hosi	PITALS	* AT T	HE E		EACH	WEE	ĸ.		
Small-pox	2912 1256 254	2777 1257 250	1 2749 1304 243	2679 1368 249	2665 1377 229	2642 1378 228	2587 1403 231	2575 1394 215	2584 1374 207		2437 1261 183	2355 1200 173	2312 1175 148

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their neteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Port-mouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R.C. Cann Lippincott. Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton: Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

TABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

				Тні	RT	EE	TT	1.1	Weel	of the Year 1899.									
	r the years		In	the Virday,	Vee lst	k ene Apri	ding	99.			r the years		Sa	in th	e We	eek e st Aj	ndin pril 1	g 899.	
	ges for the 10 8*,		De	athso	of P	erson ges	ns of	Ē			ges for the 10		D	eath	s of the	Pers Ages	onso	of	
CAUSES OF DEATH	d Averages Veek of the 1889-98*,	80	T	Inder 20.		ler 40,	ler 60.	ler 80.	and	CAUSES OF DEATH	Averages c of the 1889-98*,	9.		Und 20,		under 40.	er 60.	er 80.	pus
	Corrected 13th We	ALL AGES	0-1	1-5,	5-20.	20 and under 40.	40 and under 60	60 and under 80.	80 years upwards.		Corrected 13th Week	ALL AGES	0-1.	1-5.	5-20.	20 and und	40 and under 60	60 and under	8c years
CAUSES	1763.6	1922	377	224	00	212	380	494	145	Diseases of Circulatory } System }	153.6	195		-	9	22	58	90	13
nall- {Vaccinated † - Unvaccinated   No Statement   St	0!5 0!4 71:3 17:0 0:1	374	in .	4		11,11111	111111	111111	111111	Croup Bronchitis Pneumonia Pleurisy Other Diseases of Res- piratory System	6°3 232°7 139°0 5°5 27°8	2 292 172 7 32	55 44	2 29 47 1 1	1 4 - 1	10 23 2 5	40 29 1 4	122 21 3 11	4
uenza	32 0 71 3 36 6 0 3 7 5 0 1 10 8	102 57 31 1 9 -7	24 1 - - - 5	2 - 1	3 2 0 - 3	12:	26 1	36 - 1	12	Dentition Quinsy, Sore Throat - Enteritis Peritonitis Diseases of Liver Other Diseases of Digestive System	12·4 1·4 12·8 6·2 26·2 28·4	6 1 21 5 25 25	4 -9 -1 12	1 1 -	6 - 2	1 2 5 8	1 2 2 10 5		2
rophobia	0°2 10°3	1	- 1 5	-	-	1 -	- 1		1 1 1	Diseases of Lymphatic System & of Ductless Glands	2.5	2	1		_	-	1	-	
sipelas emia and Septicæmia rperal Fever er Zymotic Diseases	3·1 1·9 4·7 1·1	6 5 1 1 2	1 - 1	-	1	1 1 1	1	2		Diseases of Urinary System }	48.9	56		1	4	6	20	21	4
ush	1.1		- -		-	-	-	-	-	Diseases of Generative } System } Accidents of Childbirth-	5°2 4°7	6		-		1 4	1 2	-	1 1
tical Diseases - )			-				_	_		Diseases of Locomotive } System	7:3	3	1		1	1	-	-	
vation, Want of } reast-milk   pholism	2·6 8·7	3 16	1 -	اند	-	7	6	1 3	-	Diseases of Integumen- tary System-	5*4	8	2	-		-	3	-	3
umatic Fever, reumatism of Heart } umatism t cets es Mesenterica - arcular Meningitis - nisis - fula, Tuberculosis - er Constitutional seases	7.5 1.6 3.5 5.9 65.0 19.1 28.2 169.0 22.7 13.2	5 2 7 86 12 23 139 14 17	3924	7 -4 10 3 1	3 - 1 2 3 5 5 5	- - 74 1 1 56 4	- 1 1 - 53	1 1 2 34 1 10 7	- 1 3 - - 1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks. (exclusive of Drown- ing) In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- 4 1 11	111111	1 - 3	1 2	1 - 2	1 - 3	- 1 - 1 1 3	1111111
mature Birth ectasis genital Malforma-) nns Age	50°5 3°5 9°5 49°2	55 4 8 79	55 4 8 -	-	-	-	- - - -	- - - 84	- - 45	Bŷ Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		12 2 17	11 - 1	ī - 1	2 - 1	2 3	2 - 4	5	- 2
plexy epsy vulsions er Diseases of Brain a d Nervous System	45.7 7.2 39.6 91.6	60 9 34 99	1 29 12	- 1 5 7	-		4	34 2 - 33	5 - 8	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	0.9 8.7 0.2	- 7 1	-			4	- 3 1		1 1 1
ases of Organs of }	3.8	1	-	-	-	-	1	-	-	OTHER CAUSES -	49.3	48	46	-	-	-	1	-	1
The numbers in this col	umn are	the	0.7707	10.00		olrly	T de	00 t	ha fe	r the ten years 1889-98, rais	od by 5.9	13 no	r o	ant	for	· in	ores	200	-

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase opulation.

July those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered ical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the se of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of dent, murder manslaughter or suicide, All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHŒA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 1st April, 1899.

SUB-DISTRICT during the We	ek endin	g Satı	irday,	ıst	Apı	11, 1	.899,	•					/					
				_			The	DEAT	HSre	gister	ed du	ringt	the W	eek i	aclud	le	I of	1
	Enume-			Dea	ths of		1		,	Death	s fro	m	,				utions	of
REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year	Persons aged 60 Years and upwards,	Sriall-pox,	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhœa,	Violence,	Inquest Cases,	Deathsin Publicanstituti	Uncertified Causes Death.
LONDON -	4,411,710	2609	1922	377	639		37	4	31	57		9	1	7	63	155	503	11
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	384 569 126 557 973	354 437 111 345 635 40	71 79 17 73 137	127 144 28 109 215 16	-	2 14 2 11 8	- - - 2 1	4 8 3 2 14 -	10 18 1 6 22	1 11111	- 1 - 6 -	1 -	1 3 1 1	10 16 6 12 18	26 33 13 39 43 1	90 105 39 107 122 40	10 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	90,996 33,510 122,164 48,301	63 <b>5</b> 58 9	31 19 56 15	5 1 8 -	15 3 26	1 1 1	1	-	1 1 1	1 - 1	1 1 1	1 1 1		1 1 1 1	2 3 1	3 6 -	5 11 20 3	1 1 1
St. Peter Hammersmith $-$ W. & G. Fulham $Ww$ $ -$ W. & C. Fulham	9,097 95,102 113,781	4 48 86	7 45 67	2 13 23	2 13 15		ī	-	- 1 3	4 2	-	1 1 1	- 1		ī	3 4	- 1 19	1 1 1
Chelsea Kensal Town - C. Chelsea North $WHHHHHH -$ C. Chelsea South $HH$ - C.	21,450 42,057 33,139	12 14 11	12 19 11	2 1	6 9 - 5	-	-	ř 1 –		- 2		-	-	1 1 1	2 -	2 - 1	10	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	32 19 6	11 25 14 13	1 4 5 3	5 10 4 3		1111	1 1 1 1			1 1 1 1		1 1 1 1	1	- - 1	2 2	7 6 - 6	1111
$\left. egin{array}{ll} \mathbf{St. James Westminster} \\ WHH \\ \mathbf{St. Anne Soho} & HHHHHHH - \mathbf{N.} \end{array} \right.$	23,050 12,048	11 4	7 2	2 1	3 -	1 1		1 1	F -	- 1	-	-	-	-	-	-	2 -	1
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHH - W. Rectory Marylebone W G. & W. St. Mary Marylebone B G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH W.  Hampstead } - N. & W.	36,595 19,798 19,637 32,547 32,611 75,449	17 7 28 10 7	9 11 13 8 8	3 1 2 1 4	1 3 5 2 1		2	1	1	- 1	11111	11111		1	- - 1	1 1	3 1 2 - 6	1 1 1
Regent's Park Pancras   HH - W.	37,341 26,757 29,426 32,161 16,669 98,410	27 20 13 23 9 48	6 17 19 15 19 33	- 2 5 5 8	2 4 3 2 11 6		2		1 1 1 1 1	- 1 4 3 1				1	- 1 1	2 - 222	- 8 4 - 15 8	1 1 1 1 1 1
$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWwHH \\ \text{Islington South-west} \\ \text{Islington South-east} \\ \text{Highbury } HH \\ \end{array} \right \left. \begin{array}{c} \text{N.} \\ \text{N.} \\ \text{Highbury } HH \\ \end{array} \right \left. \begin{array}{c} \text{N.} \\ \text{N.} \\ \text{Highbury } HH \\ \end{array} \right \left. \begin{array}{c} \text{N.} \\ \text{N.} \\ \text{Highbury } HH \\ \end{array} \right \left. \begin{array}{c} \text{N.} \\ \text{N.} \\ \text{Highbury } HH \\ \end{array} \right \left. \begin{array}{c} \text{N.} \\ \text{N.} \\ \text{Highbury } HH \\ \end{array} \right \left. \begin{array}{c} \text{N.} \\ \text{N.} \\ \text{Highbury } HH \\ \end{array}$	98,273 107,365 66,549 64,577	52 46	64 31 32 14	5 7 8 4	28 8 10 7	1 1 1 -	1 1 -		- - 1	1 3 -	1 1 1 1	1	-	1 -	2 - 1 1	1 1	33	1 1 1
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$   \left\{     \begin{array}{c}       14 \\       21 \\       33 \\       49 \\       35     \end{array}   \right. $	12 11 28 27 37	1 1 7 6 5	8 6 7 10 17		5 2 1		- 4 1	1 - 1	7-1-1-1	- 1	1 1 1	11111	- - 4 1 2	- - - - - - - - - - - - - - - - - - -	- 5 4 16	1 1 1 1

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Districts than that in which it stands; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers are received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signifies Grand Junction Company; W. West Middlesex; C. Chelsea; C. Southwark and Vauxhall; C. Lambeth N. New River; C. East London; and C. the Kent Company. See note C0 of first page of this Return.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, JARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE &c., registered in each UB-DISTRICT during the Week ending Saturday 1st April, 1899—continued.

UB-DISTRICT during the Week ending Saturday 1st April, 1899—continued.  The DEATHS registered during the Weekinolude																		
							The	DEA	THS:	regist	ered	durin	gthe	Week	insli	ıde		
	Enume-			Deat					I	eaths	fron	n					tutions	to a
EGISTRATION SUB-DISTRICTS	rated Popu- lation 1596.	Total BIRTHS,	***	Infants under 1 Year of Age.	Personsaged 60 Years and upwards,	Small-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhœa.	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes Death
CENTRAL DISTRICTS.  teorge Bloomsbury N. tiles South WH N. tiles North H N.	16,110 12,976 9,151	5 10 2	10	- - 1	5 4 3		-			- - -	-	-		-	- - 1	1 3	- 4 2	
fartiu-in-the-Fields HHN.&C. nd WHH N. nd Union Workhouse, Edmonton	13,077 11,839 +1,037	2 4 -	6 4 -	1 1 -	1 1 -	- - -	-		-	- - -	-	-	-	-	- -	- 1 -	3 3 -	
born wHHHHHHH - N. ames Clerkenwell - N. well Clerkenwell - N. well-street - N. tecross-street - N. bury - N. born Union Workhouse, ttcham N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	18 7 23 10 42 - -	17 6 9 4 11 1 -	8 1 2 - 3	3 3 - 1 - 1	1111111	1	111111	1	1 -		111111	11111	1	1 - 2	1 2	7 - 3 - 1	111111
Botolph $H$ N.&E. oplegate N. Sepulchre $WH$ N. allows Barking N. ad Street $H$ N. of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	2 - 1 -	1 2 20 4 1		1 3 1		-		1 -	11111		1			1 1 -	1 1	16 -	
EAST DISTRICTS.										1.					1	2	4	_
$egin{array}{lll}  ext{reditch South} & Hl & - &  ext{E. \& N.} \  ext{xton New Town} & w & - & - &  ext{N.} \  ext{xton Old Town} & - & - & - &  ext{N.} \  ext{ggerston} & WH & - & - &  ext{N. \& E.} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	17,975 29,575 27,645 47,163	20 26 36	7 16 7 42	1 5 2 10	5 4 2 14	-	- 2	-	- - -	2 1 -			-	- 1 -	1 1	1 4	5 - 18	- 2 -
thnal Green North $H$ - E. thnal Green South E. thnal Green East $WHl$ - E.	49,301 34,194 45,667	48 35 37	26 6 20	512	8215	-	-	-	-	- - -		-		- - -	_ 1 -	1 4 2	- 13	-
talfields E.& N. e End New Town* $WH$ - E. odman's Fields* E.	7 51 005	18 21 25	7 31 3	1 6 -	3 5 1	- - -	1 -	-	- 1 -					-	- 4 1	- 6 1	23	
George's North E. John, St. George East W E.	39,576 7,930	36 6	13 8	4 -	1 3	-	3 -	-	-	-	-	-	-	-	1 -	1	- 6	-
adwell $H$ E. & N. celiff $W$ E. and E. an	14,954	5 8 18	8 7 5	2 6 1	- - 2		1 -		-	- - -	-	-		-	-		6 -	
$\left\{egin{array}{ll} \mathbf{e} \ \mathbf{E} \mathbf{n} \mathbf{d} \ \mathbf{O} \mathbf{l} \mathbf{d} \ \mathbf{Town} \ \mathbf{W} \mathbf{e} \mathbf{s} \mathbf{t} \end{array} \right\} - \mathbf{E}.$	1 3 111,000	{ 46 38	16 32	3 8	3 11	- 1	1 -	-	-	1 -	-	-	_	-	1	1 5	11	-
$egin{array}{cccccccccccccccccccccccccccccccccccc$	69,821	26 57 45	18 45 28	2 6 8	11 20 9		- 2 1	- -	1	- 1 1	-			-	1 -	- 2 4	6 13 2	

† Population in 1891, not included in the total population of the Central Districts or of London. Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 1st April, 1899—continued.

	SUB-DISTRICT during the We	ek endin	g Baut	iruay,	180	Apr	11, 1			_								
1	· ·							The	DEA'				uring t	the W	eek i	nelud	le	1 -
		Enume-			I	thsof				1	Deaths	s fron		1		1	,	tutions
	REGISTRATION SUB-DISTRICTS	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	InquestCases.	Deaths in Public Institutions
	SOUTH DISTRICTS.																	
St. Ker Bor	ristchurch Southwark $WHL$ .&S. Saviour Southwark - S. at-road S. & L. rough-road $WH$ - S. & L. don-road $HL$ - L. &S. nity Newington - S. & L. Peter Walworth $W$ - S. & I. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	7 3 17 9 11 11 39 24	4 2 4 9 6 5 24 16	1 1 5 2 3 7 4	1 2 3 - 11 5	1111111				1 1	1111111			TILL CIT.	1	1 2 3	5 - 3 -
Ber	Olave $WH$ S. mondsey $W$ S. herbithe $WwH$ - S. & K.	11,731 85,475 40,379	5 61 21	10 25 18	2 6 2	355	111	1 1 1		- 1 -	1	1 1 1	-		1 1 1	2 1 -	2 2 1	6 1 5
Lar Lar Ker	terloo-road $HH$ - L. & S. mbeth Church 1st $H$ - L. & S. nbeth Church 2nd $WW$ L. & S. nington 1st $H$ - S. & L. nington 2nd - S. & L. xton $w^*$ - L. & S. wood $WH$ L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	\$1 8 29 44 16 52 23	12 18 14 19 12 35 12	4 2 1 6 - 3 1	4 3 5 6 14 5	1111111	1	1111111	2 1 - 5 -	1	1111111		111111	1111111	12-1	33 - 1 - 1 - 1 -	12 6 - 6 1
West Clay	t Battersea S.  tt Battersea $WwH$ S.  pham $H$ S.  ndsworth $WHHL$ - S.  ney S.  atham $WwwwL$ L.	71,730 93,385 46,953 58,101 20,566 61,644	43 63 29 32 15 28	27 39 20 20 12 21	875518	6 19 9 7 8 8	11111	11111	11111	1 1	1 1				111111	2 1 - 1 2	6 2 1 - 1 2	13 - 2
Car Pec	wich L. & S. aberwell $Wwll$ - S. & L. & L. & Kham $WW$ - S. L. & K. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 42 44 46	1 44 26 26	- 6 4 9	23 6 2		-	,	- - 1	3 2 2		1 1 1		1111	- 1 - 1	- 3 1 2	22 1
Dep Dep Gre	tford North K.  tford Central $w$ K.  tford South K.  enwich West $H$ K.  enwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	21 23 9 13 25	10 22 11 7 23	2 4 1 1 4	1 4 5 3 9		- 3	\	11111	2		- 4 - 1			1	1	- 4 - 11
Lee	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	4 13 25 25	3 6 23 14	1 - 6 3	2 4 10 6	1.1.1.1	1111	- 1	- 1	2 -	1111	-		- - 1.		- 1 1 1	10
Wood Plui Plui	rlton wHH - K. olwich Dockyard - K. olwich Arsenal HHHH - K. nstead West H - K. ustead East WH - K.	15,928 19,355 21,959 16,714 42,538	7 4 15 5 29	14 3 5 1 12	4 5 - 3	32 - 5	11111	1	1	2	1		11111			- 1 -	1 1 1 -	7 5
Cate Can Hos Dare Lon- He Han	stead Asylum	-	11111	80 1 80 1 80 1 80 1 80 1 80 1 80 1 80 1	11111	11111	111111	111711	111111	11111	111111		111111	1 1 1 1		1	- 1	3131315
Coln N.E. Win Leav	ey Hatch Asylum			6 1 - 8 11		5 6		11111	1	1 1 1 1	11111	-	11111	1111	1			5 6 1 - 8 11

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 1st April, 1899.

en	The DEATHS registered in the Week include  Deaths of Deaths from																	
						Dest	ha ce 1	The	DEA	_				Week	inclu	ide		-
d d iot d ict ict m-	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1   Sear of Age.	Persons aged 60 F	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LON	DON-OUTER RING -	368,749	1,422,063	969	611	120	210	-	13	1	10	22	4	2	23	42	71	8
:1	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	11 8	6 5	2 1	1	-	-	-	1	1	ī	-	-	on 00	ī	- -
:1	Godstone, part of * W -	2,754	1,598	1	2	1	1			-	-	-	-	-	-	-	1	-
:1	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	62 11	52 6	5	20	-	-	-	1 -	$\begin{vmatrix} 2 \\ 1 \end{vmatrix}$	- 1	-	1	7	10	ī
123345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	19 19 8 2 7	10 18 6 2 8	2 4 1 1 -	6 9 5 1 3	1111	1111	11111	11111	1	1 -	11111	-	-	9 - - 1	11111
:1	Richmond WH	2,160 2,823	25,389 16,159	9 16	10	2 -	6 3	-	-	-	1 -	1	-	-	-		-	1
:1	Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	10 9 4	10 5	1 3 1	2 3 2	1 1 1		1 1 1	2 -			- - -	1 -	1 2 -	2 2	-
:1	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	22 -	14 2	4 -	6 1	-	-	-	-	-	-	-		1 -	2	1
:1	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	7 9	4 5	1	3 2	-		-	-1	2	-	-	1 -	1 -		-
:1	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	2 1 5	3 1 4	1 1 1	1				ī		-	-	- ī	- 2	1 1 1	1 1 1
:12345	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	14 12 20 18 23	27 7 16 9 13	4 3 1 2	8 4 5 6 5	11111	1111	1111	1111	4 1 1 1	- - - 1	1111	1 - 1 -	1 - 1 -	10 -	1
:1 2 3 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	$14 \\ 1 \\ 62 \\ 11$	29 12	2 10 2	2 8 3	1111	- - 1	7,	- 1 -	- 1 -	1 1 1 1	1 1 1 3	1	1 1	1 4	
:1	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	7 9 14	6 8	2 -	2 2		2 -	-	1,11		-	1.1.1	- 1	- 1	- 2 1	-
:1 2 3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	32 65 36 25 3	24 43 16 12 - 4	1 6 5 - 1	9 12 8 4 - 3	1 1 1 1 1	1 1 3	1	- 1 1 1 1 1	3 - 1	11111	.111111	3 1	2 4 2 1 -	2 4 2 -	11111
:1	Hatfield, part of* W	3,306	582	-	-	-		-	-	-	-		-	-	~	~	-	-
:1	Bushey H Watford WH, part of* -	9,331	7,737	2 -	3	1 -	ī	-	-		-	-	-	-	-	-	ī	E
: 1 2 3 4 5 6 7 : 1 2	Stratford H Plaistow WHHH	3,266 4,334 6,501 11,779	53,511 32,713 70,188 57,330	33 58 46 29 53 49 52 7	15 30 30 22 12 38 28	4 10 9 5 3 10 7	3	11111111	3		1 - 1	1 4 1 -	1	1 1	1 2 2 2 2 -	223 - 142	1 7 - 7	1 1
:1 2 3	Romford, part of WH - Hford Barking Town, H Middlesex Co. Lunatic Asy.	6,556 8,493 3,814		12 14 -	1 6 2 5	1	1 3 - 2			-	-	-	-			1 1 1 1	5	1 1 1
Th	e parts of sub-districts includ	ed withi	n that por	tion of	the M	etro	polit	an P	olice	Dis	trict	whi	ch fo	rms	the	Oute	er Ri	ing

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham i Farley in Godstone sub-district; 3: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst tedistrict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in field sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping p. 1,079); 189: 1, the parish of Dagennam in Romford sub-district; also deaths in Workhouses and Hospitals for actions Diseases belonging to the Outer Ring in 42: 2, Dartford; 137:2, Watford; and 187: 2, Epping sub-districts,

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 1st April, 1899.

			ANNUA	L RATE			The DI	ATH	S reg	istere	d in th	he We	ek in	clude	
GREATER	Area	Population estimated	of MOB	TALITY 0 living.	DEATHS		ths of				Deatl	hs fro	m		
LONDON.	iń Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoeu.	Violence.
Cols.	1.	2.	. 3,	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	20.2	1.6	2533	497	849	_	50	5	41	79	14	9	86
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	22°0 16°1	1.7 1.4	1922 611	377 120	639 210	-	37 13	1	31 10	57 22	10	7 2	63 23

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivalent the area of a circle having a radius of 14851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW. DUBLIN and in certain Foreign Cities.

					POREIGI								
•	POPULATION	Dime		,		ANNUAL	DE	EATHS	FRO	M PRI DISEA			NO.
(Nemero)	(enumerated	DATE OF RETU	RN.	BIRTHS.	DEATHS.	DEATH- RATE	OX.	20	÷.	ria	Whooping-		100
CITIES P.,	or	Week end		Exclusive	ı of Stillborn	per 1000	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	opi	Fever.	T. T.
	estimated).	WHEE CHU	пц			living.	ma	Meg	S C F	iph	CO CO	Fe	Diamete
	1	1		11		11	11 00			I A	15		1
EDINBURGH -	298,927	April	1	191	129	22.5	_	3	2	1	12	-	
GLASGOW	733,903	. ,,	1	456	319	22.7		13	2	_	10	4	
DUBLIN	349,594	93	1	250	212	31.6	-	-	2	2	3	2	
CALCUTTA	466,460	January	28	-,			-	-	-	-		-	
BOMBAY	821,764	March	14	-7 '	7	'	-	-	010		-	-	
MADRAS	452,518	February	17	270	320	36.7	1	11	3	-9	?	40	
PARIS	2,511,629	March	25	1191	1341	27.7	-	25	4	10*	15	14	
BRUSSELS	551,011	27	25	266	280	26.4	-	13		2*	. 2	4	
AMSTERDAM -	512,758	99	18	335	163	16.5		.7	-	-	3	1	
ROTTERDAM -	306,439	**	18	212	123	20.5	-	-	1	1	2	1	
THE HAGUE -	196,325	19	18	129	65	17:0	-	1	-	1	3	-	
COPENHAGEN -	345,000	* **	25	282	119	18.0		3	3	6	1	1	
STOCKHOLM -	283,550	**	18	141	116 74	21.3		5		8*	-	-	
CHRISTIANIA -	273,337	91	25	177		18.9		- }		. ~		_	
ST. PETERSBURG	1,132,677	. 29	25	610	507	27.7	1 4	9	10	16	7	12	
Moscow	988,610	15 -	18			26.7	4			6	1	6	
BERLIN	1,805,054	51	11	885	747 247	21.5		4	12	17	17	1	
HAMBURG DRESDEN	675,351 388,300	January	25 28	284	129	19 <sup>.</sup> 0	-	_	_	4* 3*	4 2	-	
BRESLAU	406,012	March	25		188	24.1		_	2	3	1	_ 1	
MUNICH	445,000	19	25		187	21.9	-	-	-	2*	3	_	
VIENNA	1,606,629	***	25	1135	763	24.7	_	28	4	18*	6	1	
PRAGUE	380,497	27	18	211	212	29.0	-	7	3	1	1	1	
BUDA-PESTH -	666,722	39	18	493	341	26.6	1	5	1.2	3	-	7	
TRIESTE	165,913	. 33	11	116	98	30.7	-	-	1	2*	2	-	
ROME	500,610	19	18	264	190	19.8		-	-	1	-		
TURIN (10 days)	344,203	"	2	152	152	20.0	-	1	-	2*	5	-	
VENICE	169,883	39	18	93	94	28.9	-	8	-	3*		. 1	
CAIRO	570,062	- manual				-	-	100		-	-	-	
ALEXANDRIA -	319,766	-				1 :- 1	-	· i -	-	-	7	-	
NEW YORK (including	3,550,053	March	11	1505	1291	19.0		15	14	26	12	6	
BROOKLYN) PHILADELPHIA -	1,266,832		11		520	21.4			1	16	2	39	
ZIIIIIIIIIIIIIIII	1,200,002	99	11		. 020	21.4			1	10	۵	30	
			-		31	1						1	

<sup>\*</sup> Including deaths from croup.

										y ica											- 1
	Ozone.		1.5	0.0	0.2	1.5	0.0	0.0	0.0	0.2	26	sea;	bulb tions	the er is mum	nean bles.	ment 5.	eter,	eter.	nent,	and	
in a	whose receiving	surraceis 5inches above the Ground.	in. 0°17	0.03	0.05	0.00	0.00	0.14	0.01	Sum 0.37	25	el of the	The mean of correct wenty y	1868 for rmomet d minin umn 8).	om the r trical Ta observa	ling 1878	hermom	Electrometer m. moderate	Instrum of the	4n. F.w 1 to 29'6 h 30th;	
	on's.	Departure from Average of 16 Years.	Miles. +239	92 +	+291	+414	- 13	- 16	1	Sum +967	24	ean leve	and the sation of ang the sation of ang the sation of the	ending ulb then num an	uced fr ygrome nof the	orizonta ears en	of the t	sering E	unshine	lecreased	
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles. 539	356	290	713	285	279	297	Sum 3059	23	nidnight ve the m	M., and 9b mometer he applicade duri	y years of the dry by a maxim	y are ded tisher's H discussio	hat of her the 16 years to he	dexerror	elf-regist	Stokes Siday.	1 28th; d 1 28th; d 1h. P.M. o	
_	he .	Mean of 24 hourly obs.	lbs.	6.0	7.5	9.1	0.1	0.1	0.1	:	22	tht to	3h. P. 3h	went of th of th	imidit by Gla	and to	thein	son's s gativ	pbell- each 35 in. a	Marcl by 1.	
	Pressure on the Square Foot.	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:,	21	nidnig s 159 fe	noon; noon; r bull value	the sading lings of tem	e of ht	ic reco	tedfo	Thoms N. ne	ine on	M. on 7.16 in	Н
	Press	Great-	1bs. 8.6	4.4	14.0	15.5	5.0	8.7	1.3	:	20	from r	A.M.; 1e dry daily graphy	faring ean re e read value	degre ermon	endir ometr e born	correc	from jive:	om th sunsh sed fr	10b. A. 10 3(	week.
Osler's.	irection.	Р.Ж.	WSW. &	WSW.	SSW. &	WSW. & W.	NNW. NNE.	WSW.	SW.	W.	19	ivil day, or	taken at 9h. arometer, the into mean of the photo	the barometer, and during the twenty years ending 1868 for the With the corrected mean reading of the dry bulb thermometer is corrected mean of the radings of the maximum and minimum owning the mean daily value of temperature of the sir (column 8). The	erature and wet bulb the	the 50 years of the anem 24 it will b	e. nn 17 arenot	y is derived e:-P. posit	S, derived in of bright neter increa	29.88 in. by	end of the
	General Direction,	А.М.	SW. &	SSW.	SW. &	20.00 20.00	WSW.	ESE., SE.	WSW.	SV	18	The results apply to the civil day, or from midnight to midnight.  The height of the cistern of the barometer is 189 feat above the mean level of the sea	Correction has been apputed to the resulting to reduce vesses over.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. and the vertex the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years	ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum themselves, forming the mean daily value of temperature of the sail (column 8). The	mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Ghaisher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations.	made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the anonometrior ecords for the 16 years ending 1875.  In reading columns 3 and 24 it will be borne in mind that + indicates " higher" and	<ul> <li>"louver," than the average.</li> <li>The valuesgiven in column 17 are not corrected for the index error of the thermometer, which cannot be determined.</li> </ul>	The record of Electricity is derived from Thomson's self-registering Electrometer The symbols employed are:—P. positive: N. negative; w. weak; m. moderate attraction of a verient of the symbols.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument show the aggregate duration of bright sunshine on each day.  The reading of the barometer increased from 2985 in. at the heginning of the week	Arch 17th, increased to 29th; increased to 20th; and by 4h. A.M. on March 29th; increased to 20th; and	93 in. by the
	Of the Earth	3 feet below the Surface.	0 40.33	40.20	41.35	45.09	16.51	43.49	44.04	42.13	17	esults an	vations vations -reading meter, a	ending 1873 for thermometers. combined the thermometers, for	aily dew alues of 1 verage te	t Green, ir from	er," thar aluesgiv sannot b	ecord o	numbers ne aggre	Z7th; in A.M. on	sed to 28
	tion.	Lowest on the Grass.	31.3	28.2	38.1	43.1	41.8	41.8	45.7	38.6	16	The r The b	Obserthe eye	ending thermo combin	mean dadaily ve	made a of the a	- "low The v	The sy	The property The	March by 4h.	decreas
	Radiation.	Highest in Sun's Rays.	8.08	109.4	1.66	104.7	87.3	8.18	9.201	95.5	15		after- r halo	Cenerally fine; cloudy till evening; little oud at night, Solar halo in afternoon; mar halo at night. Showery about 5h.F.M.	and after-	helion	tially t.	and showery throughout the fine afterwards with variable	ht. A		
)egree	of Hu- midity (Satu-	ration equals 100).	74	7.1	77	69	72	26	200	11	14	92	rain oudy af	after oout 5]	and seen;	t par	nd part	ughou th va	ng; fir at nig		
		Least.	2.9	1.4	2.5	3.8	6.0	0.0	0.4	1.7	13	MARE	with tlly clou rnoon; l	all eve alo in rery al	prning	, Brigh	fine ar	thro	nornir dless ( fore 6b		
Tempera	peratur	Great-	14.2	9.61	10.4	17.3	9.91	8.5	12.8	14.1	12	L RE	morning nd partia lo in after	oudy 1	in mo	oudy.	aing;	owery	st in 1		
the Air Temperature	Ten	Mean daily value.	4.8	0.6	0.2	11.5	8.7	8.0	4.4	7.0	11	GENERAL REMARKS.	in money	ine; cl ht. S night.	Fine but cloudy in morning and after-	St and showery at hight. Fine; partially cloudy. Bright parhelion 5h. P.M.	Overcast in morning; fine and partially oudy in afternoon; overcast at night.	and shape aft	overca vening in shot		
	Dew point.	Mean daily value.	39.6	39.6	42.7	41.2	40.8	48.2	49.2	43.1	10	GE	cast in E.; fin Solar	rally fat nig	Solar	; parti	cast in in aft	100	rally (till e		1
		De- parture from Average of 50 years.	+ 4.5	+ 53	0.9 +	9.8 +	0.9 +	0.7 +	+ 8.5	+ 5.9	6		Overcast in morning with rain till th. A.M.; fine and partially cloudy afterwards, Solar halo in afternoon; lunar halo	Generally fine; cloudy till evening; little cloud, at night, Solar halo in afternoon lunar halo at night. Showery about 5h. P.M.	Fine noon.	cast and showery at might.  Fine: partially cloudy.  at 5h. P.M.	Overcast in morning; fine and part cloudy in afternoon; overcast at night.	Overcast morning;	clouds. Generally overeast in morning; fine t cloudy till evening; cloudless at night, shower of rain shortly before 6h. P.M.		
	ir.	Mean daily value.	47.4	48.6	49.7	25.7	49.6	49.0	53.6	1.09	00	Sun above Horizon, in hours.	12.5	12.6	12.6	12.1	12.8	12.8	12.9	Sum 88.9	29
	Of the Air.	Daily Range.	13.5	23.2	11.5	13.6	15.0	18.7	15.0	15.8	7	ared Su ine H irs. in		···			:0		7	i	28
		Low- est	40.8	33.0	43.6	46.3	45.8	41.8	49.1	43.2	9	Registered Sunshine in hours.	EI	00 \$1	<u>61</u>	8.8	1.2	1.0	2.7	Sum 19:5	67
		High- est.	54.3	61.5	55.1	29.6	27.8	90.2	64.1	29.0	- 2	f. te.)	A.M.; Is.	rally;	P.M.;	out -	out -	out -	generally; and v. N. 5h. and		
Mean	daily	rected and re- duced to 32° Fahren- heit).	in. 29.885	29.798	29.801	29.841	30.085	29.959	29.946	29-903	4	ELECTRICITY. (For explanation of symbols, see Note.)	v. V. N. till 4h. A.M.; w. P. afterwards.	w. P. generally . N. at 5h. P.M.	w. P. till 9h. P.M. w. N. afterwards.	w. P. throughout	w. P. throughout	w. P. throughout	w. P. generall P. and v.		27
	Phases of the	Moon.	:	Full	:	:	:	:	Gréatest Dec. S.		3	ELJ (For e	v. v. N.	s. N. at	w. P. a. w.	W. P.	w. P.	w. P.	w. P. a. v. P. a. between	7h. P.M	
		Q.A.	- 26	- 27	80	92 Y	- 30	- 31	H	1	- uu		- 26	- 27	87	Y 29	- 30	- 31			1
1000	1033.	MONTH AND DAY	MARCH.	MONDAY	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	APRIL, SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY	MONDAY -	TUESDAY .	WEDNESDAY	THURSDAY-	FRIDAY	SATURDAY		No. of Col.
			1 02	F			-	-	02		17		02								

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1899.

OFFICIAL COPY.

## WEEKLY RETURN

OF

#### DEATHS IN LONDON BIRTHS AND

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 14. 1899. Vol. LX.] WEEK ENDING SATURDAY, APRIL 8. [Price 11d.

General Register Office, Somerset House, April 10th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 21.7 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	endin	g	1			Weeks	endin	g
Towns.	Mar. 18.	Mar. 25.	Apr.	Apr. 8.	_	Towns.	Mar. 18.	Mar. 25.	Apr.	Apr 8.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	24·9 20·9 26·2 27·3 20·1 18·2	23·1 22·1 22·5 21·6 21·2 18·0 24·0 13·2 19·6 22·5 19·6 22·4 16·1 19·4	17·1 19·1 20·1 26·7 20·2 20·3	25·8 16·1 20·5 27·5 19·2 28·1 11·8 21·2 24·5 16·6 26·7 21·7 22·9		Leicester Liverpool London - Manchester Newcastle-on Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverhamp	28·8 24·1 31·7 19·8 20·3 21·6 28·0 21·8 4 27·9 31·5 24·8 20·4 18·6 18·8	19·9 28·0 323·8 21·1 523·1 317·4	31·8 22·6 23·9 22·7 30·4 23·3 21·7 22·9 25·3 23·3	25·3 20·3 25·3 20·3 20·3 24·3 24·3 24·3 21·3 24·6 21·3 24·6 21·3 24·6 21·3

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Gateshead, and 2.4 in Manchester; from whooping-cough, 1·0 in Plymouth and in Huddersfield, 1·1 in Halifax and in Sunderland, 1·6 in Hull, and 1·8 in Birkenhead, in Burnley, and in Preston; and from "fever," 1·0 in Derby and in Salford, and 1·2 in Wolverhampton. In none of the thirty-three towns did the death-rate from scarlet fever or from diarrhæa reach 1.0 per 1000. The 75 deaths from diphtheria included 34 in London, 7 in Sheffield, 4 in Leeds, 4 in Liverpool, 4 in Leicester, 4 in Portsmouth, 3 in Swansea, and 3 in Birming-Liverpool, 4 in Leicester, 4 in Portsmouth, 3 in Swansea, and 3 in Birmingham. No death from small-pox was registered in any of the thirty-three towns.

By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

#### LONDON.

In LONDON\* 2554 BIRTHS and 1816 DEATHS were registered. Allowing for increase of population, the births were 168 below, and the deaths 121 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 24.1, 23.2, and 22.0 in the preceding three weeks, further fell last week to 20.8. During the four weeks ending on Saturday last the death-rate averaged 22.5 per 1000, being 1.9 per 1000 above the mean rate in the corresponding periods of the ten years 1889-98.

The 1816 deaths included 29 from measles, 8 from scarlet fever, 34 from diphtheria, 58 from whooping-cough, 6 from enteric fever, 11 from diarrhoea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 146 deaths were referred to these diseases, being 65 below the corrected average

weekly number.

The deaths from *measles*, which had been 35, 33, and 37 in the preceding three weeks, fell again last week to 29, and were 42 below the corrected average; 5 cases belonged to Hackney, and 4 to St. Pancras sanitary areas. The deaths from scarlet fever, which had been 7, 4, and 4 in the preceding three weeks, rose again last week to 8, but were 9 below the corrected average. The deaths from diphtheria, which had been 45, 37, and 31 in the preceding three weeks, rose again last week to 34, and were equal to the corrected average; 7 cases belonged to Lambeth, 4 to Camberwell, and 4 to St. Pancras sanitary areas. The deaths from whooping-cough, which had been 73, 90, and 57 in the preceding three weeks, were 58 last week, the corrected average being 67; 6 cases belonged to Kensington, and 6 to Mile End Old Town sanitary areas. The fatal cases of enteric fever, which had been 7, 4, and 9 in the preceding three weeks, fell again last week to 6, and were 2 below the corrected average. The deaths from diarrhæa, which had been 8, 11, and 7 in the preceding three weeks, rose again last week to 11, the corrected average being 13. The deaths referred to diseases of the respiratory organs, which had been 565, 604, and 505 in the preceding three weeks, further fell last week to 470, but were 93 above the corrected average. The deaths attributed directly to influenza numbered 84, having been 125, 108, and 102 in the preceding three weeks.

Different forms of violence caused 89 deaths, concerning all but 2 of which inquests were held. Of these 89 deaths, 9 were cases of suicide. and 3 of homicide, while the remaining 77 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, 10 to burns and scalds, 4 to drowning, and 17 (of infants under one year of age) to

suffocation in bed.

## CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2234 cases of scarlet fever, 1127 of diphtheria, 139 of enteric fever, and 2 of typhus, under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 150 cases, against 224, 177, and 167; of diphtheria, 103 cases, against 133, 110, and 121; and of enteric fever, 13 cases, against 26, 15, and 13.

<sup>\*</sup>Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong † The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Searlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

DEATHS OF PERSONS BELONGING to LONDON and its SANITARY AREAS,

REGISTERED in the 13 WEEKS ENDING 1st APRIL, 1899.

			_	_		_		_		_		
	l	Death	s froi	n Pri	ncipa	l Zyr					fants ar of	1 Year Births
Total Deaths from all Causes	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping cough.	Typhus.	Enteric Fever.	Simple and undefined Fever.	Diarrhœa.	Deaths from Phthisis.	s of Li	s under 1000 stered.
.22,732	-	386	96	468	681	2	146	1	137	2,238	4,512	129
					,						2	100
835 580		$\frac{1}{6}$	212120	14	26 94	-	3 4	-	. 3	66 51	142 125	126 152 151 133
563 327	-	-		11 3	50		. 4	_	1	44 31	97 42	153 152 115 173
132	-	1	-	. 2	1		3. 2	-	<u>3</u> .	15	17	143
722		Ω	9	10	14		6		5	75	106	103
239 1,304 1,685 104		40 47 1	11	3 21 15 1	3 66 64 2		11 9			19 142 160	42 247 305 9	112 141 122 43
928		31	2	30	18		5	; -	. 7	79	183	105
204	-	2	-	1			3	_		33	17	57 205
132					- E	_		-	- 1	17 31	$\frac{18}{42}$	135 235
400 295 180		18 6 -	1	9	9 1 1	-	3 7	-	7 4 2	40 39 17	89 54 16	151 112 143
										0.77	9 199	150
726 450 308		39 13 10	1	16 7 5	6 8 8	-	57233		ana .	66 47 33	83 75 87	153 130 114 145 162
626 957	-	22 21	3	15 18	7 19	-	6 3		6	59 99	170 216	152 138
			: -	- 11				ŗ.			22	176
422 797	-	5 16	$\frac{-2}{1}$	15 30	$\frac{14}{72}$	-	3	-	$\begin{bmatrix} \frac{2}{6} \\ \end{bmatrix}$	61	88 174	176 150 158
77 511	-	3		2 22	10	1	3	-		49	124	110 147 107
1,547	-	4	11 2	40	49 12	-	11 4	=:	5	67	297 186	121 133
836 1,142	. =	18	6	19 24	46	-	5		3 7	105	214	110 110 123
148	-	8	3	2	3	-	1	-	4	6	23 58	98 97
212 200	-	-	3	5	382		-	-	1	32 23	40 46	125 97
	Deaths from all Causes  22,732  590 835 580 -611 1563 327 296 132  733 239 1,304 1,885 1,804 1,882 209 295 180  740 726 450 308 343 3626 957  157 422 797 77 77 71 511 206 1,547 7389 838 1,142 851 148 342 212	Total Deaths from all Causes all	Total Deaths from all Causes	Total Deaths from all Causes   Value   Value	Total Deaths from all Causes   Fig. 2   Fig. 2	Total Deaths from all Causes   1	Total Deaths from all Causes   Region   Region	Total Deaths from all Causes   Fig.   Fig.	Total Deaths from all Causes   Figure   Figure	Deaths from all Causes   Res   See   See   Res   See   See   Res   See   Res   See   Res   See   Res   See   Res   See   See   Res   See   See   Res   See   Res	Total Deaths from all Causes   Research   Research	Deaths from all causes   Fig.   Section   Se

In the above Table all deaths of persons in, or on the way to, Hospitals and other Public Institutions, as rell as those of persons under treatment in surgical homes, or dying by accident or otherwise in the treets, have been distributed, as far as practicable, to the sanitary areas in which the deceased had reviously resided. The deaths of 455 London residents who died outside Registration London in the trand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, the City of ondon Lunatic Asylum at Stone, and the Metropolitan Hospitals and Asylums, have been similarly istributed. In 551 cases the previous residence was outside Registration London, and these have been xeluded from the Table.

## GREATER LONDON.

In Greater London 3589 births and 2427 deaths were registered, correponding to annual rates of 28.7 and 19.4 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles, 2 from scarlet fever, 10 from iphtheria, 15 from whooping cough, 4 from "fever," and 1 from diarrhoea vere registered. Five deaths from measles, 3 from diphtheria, and 6 from whooping-cough occurred in West Ham district; 8 deaths from measles courred in Edmonton district.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29 73 inches, and that of the Thermometer 48°9; the latter being 2°9 above the week's average in the 50 years 1841-90. The direction of the wind was south-westerly, the horizontal movement of the air being 64 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 25.3 hours; the measured rainfall amounted to 0.49 inch.

## RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of March 1899. The supply was in the ratio of 217 gallons to one service.

	Number of	Services.	Daily Supply in Gal	y of Water lons.
COMPANIES.	MARCH, 1898.	MARCH, 1899.	MARCH, 1898.	MARCH, 1899.
TOTAL SUPPLY	856,797	876,889	191,352,836	189,893,201
From Thames From Lea and from other Sources -	412,483	420,765	102,094,580	101,380,666
	444,314	456,124	89,258,256	88,512,535
THAMES.  Chelsea	37,887	38,164	10,956,631	11,579,680
	82,121	83,718	19,600,037	19,519,956
	121,421	122,499	31,584,403	30,732,262
	62,116	64,003	18,283,667	17,518,420
	108,938	112,381	21,669,842	22,030,348
LEA AND OTHER SOURCES.  New River	163,480	166,003	32,693,727	33,905,835
	193,887	199,653	41,597,143	38,663,000
	86,947	90,468	14,967,386	15,943,700

Note.—The Return for March 1899, as compared with that for the corresponding month of 1898, shows an increase of 20,092 services and a decrease of 1,459,635 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING MARCH, 1899.

Water-analysis Laboratory, The Yews, Reigate,

1st April, 1899.

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer circle of the Metropolis during the month of March.

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing

I append, also, the results obtained in the analysis of the water supplied to Birminghan and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, o

Birmingham, and Dr. Mills, of Glasgow.

Taking the average amount of organic impurity in a given volume of the Kent Company' water during the nine years ending December 1876, as unity, the proportional amoun contained in an equal volume of water supplied by each of the Metropolitan Water Companies was:—Kent 0.8, New River 1.2, East London (deep well) 1.5, East London (river supply) 2.6. Chelsea 2.3, Southwark and Lambeth 2.7, Grand Junction 3.4, and West Middlesex 5.1.

The unfiltered waters contained the following proportions:—Thames at Hampton 4.5, New

River Cut 1.9, and Lea at Angel Road 4.9.

The Thames at Hampton was, on the 9th of March, turbid and yellow in colour. It was of good chemical but bad bacterial quality. The water supplied by the five Companie drawing from this river was, in every case, efficiently filtered before delivery; and was a good chemical quality for dietetic and all domestic purposes. The bacterial improvement effected by the storage and filtration plant of all the Thames Companies was excellent. The Chelsea Company removed 99'97 per cent., the West Middlesex 99'89, the Southwark (generate supply) 99'55, (No. 5 filter) 99'03, Grand Junction (Hampton filters) 99'39, (Kew filters) 99'79 (South filter at Kew) 99'89, and Lambeth 99'83 per cent. Notwithstanding these high per centage results, the Grand Junction Company's filtered water at Hampton slightly exceedes the standard of 100 microhes per c.c. and the Southwark Company's No. 5 filter considerable the standard of 100 microbes per c.c., and the Southwark Company's No. 5 filter considerable surpassed this standard.

# Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

									_		
R L	COMPANIES OCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.		Total Combined Nitrogen.	Chlorine.	Total Hardness.
(	THAMES. (Unfiltered water) -	March 9th, Grand Junction Co.'s intake at Hampton.	6·1	30.60	215	.048	.006	*243	*296	1.8	21.2
	Chelsea	March 14th, Cab Rank, Horse Guards, Whitehall.	6.5	30.64	•113	.021	0	*365	.386	1.7	21.8
	West Middlesex -	March 14th, Cab Rank, Riding House- street.	8*2	30:34	•277	.021	0	·310	*334	1.7	21.2
	Southwark	March 14th, Cab Rank, St. George's Church, Borough.	7.0	31.04	·135	.021	0	*325	·346	17	22.1
	Grand Junetion -	March 14th, Cab Rank, Portman- street, Oxford-street.	6.8	32.18	·171	.027	0	*337	*364	1.7	22.7
Inner Circle.	Lambeth	March 14th, Cab Rank, St. George's- road, Southwark.	6.8	31.28	•141	.019	0	*332	·35 <b>1</b>	1.7	22.1
Inne	LEA. (Unfiltered water) -	March 13th New River Cut at Green Lanes.	9.3	33.68	.096	.016	*005	*285	*305	2.0	20.6
	New River	March 14th, Cab Rank, Tottenham Court-road.	7.2	33*16	.061	.012	0	*315	•327	1.9	20.9
	(Unfiltered water) -	March 13th, E. London Co.'s intake at Angel-road.	8.2	37.20	*248	.039	.004	•259	301	2.0	23.1
	East London	March 14th, Cab Rank, Sidney-street, E.	8:2	36.94	104	.012	0	*322	*334	2.1	22.7
	DEEP WELLS.	March 14th, Police Station, Blackheath-road.	133	41.38	.040	-008	0	.473	·481	2:2	26*9
Outer Circle.	East London -	March 20th, Chingford Pumping Station.	} -	30.00	-080	.008	.018	3 trac	e ·024	2.2	20.6
Co	rporation of Birming	March 11th, Rear of 214 and 215 Monument Road.	6	32.80	160	.040	.00	350	391	2.8	17.5
Co	rporation of Glasgow	† { March 15th, Loch Katrine water.	}	2.84	119	.021	0	.004	• 025	0.7	1:3
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
-					h and	Amol	reat t	o the	City		

<sup>\*</sup> Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 9th March at the Grand Junction Company's intake at Hampton had a temperature of 6'1° C.; 100,000 lbs. of it contained 30'60 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained '215 lb. of carbon and '048 lb. of nitrogen. The above quantity of water also contained '006 lb. of ammonia and '243 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '296 lb. The above weight of water also contained 1'8 lb. of chlorine, and 21'2 lbs. of carbonate of lime, or an equivalent amount of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operations transform the hardness in the Table into degrees of hardness on Clark's scale.

<sup>†</sup> Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was, on March 13th, turbid and very pale yellow in colour. It was of very good chemical but bad bacterial quality; but, after efficient filtration, it was delivered in excellent chemical and bacterial condition, rivalling, in these respects, the deep well waters. The reduction in the number of microbes amounted to 99.57 per cent.

The water drawn from the Lea at Angel Road by the East London Company was, on March 13th, turbid and yellow in colour. It was of good chemical but very bad basterial quality. After efficient filtration, it was delivered of excellent chemical quality for dietetic and all domestic purposes. The bacterial improvement is expressed by the following high percentage numbers:—No. 1 Essex well 99.83, No. 2 Essex well 99.62, and Middlesex well 99.72. Nevertheless, two out of the three sets of filters somewhat infringed the standard of 100 microbes per c.c.

The deep well waters of the Kent and East London Companies were clear and bright without filtration. They possessed a high degree of organic purity, and were of most excellent

quality for dietetic use.

Seen through a stratum two feet deep, the Kent and East London (deep well) waters were clear and colourless, the New River and East London (river supply) clear and nearly colourless, the West Middlesex clear and yellow, and the remaining waters clear and very pale yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the filtered supplies delivered by the various Companies, collected on the 9th, 10th, 13th, and 14th of March, yielded, after prolonged incubation, the results contained in the following Table :-

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, March 9th, 1899	19,000 4,640 520 12,160 700 43,100 1,180	61 4·9 8·2 9·3 7·3 8·2 8·2
FILTERED RIVER WATERS AS SUPPLIED.  THAMES.  Chelsea Company's general filter well, March 9th	6 22 86 184 116 50 22 32	5'4 5'1 5'7 5'7 6'1 5'7 5'7 5'6
LEA.  New River Company's general filter well, March 13th East London Company's No. 1 Essex filters, Marth 10th	53 74 164 122	7°5 7°8 7°3 7°3
DEEP-WELL.  Kent Company's "New Well" at Deptford, March 14th	5	11:4

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied to that City was on the 11th of March "clear and pale green in a two-foot tube.

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on the 15th of March, "light brown in colour, and contained a little suspended matter."

I am, &c.,

E. FRANKLAND.

The Registrar-General, &c., &c.

																		_		_		_	_	_	_	_	_	_	_	-		-				7	
	CITIES	AND BOROUGHS,		Cols.	SWATON 66	SS TOWNS.	London.	CROVDON	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	NOPWICH NO	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BULTON.	MANCHESTER.	SALFORD.	RIPNIEV	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE.		
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	-	'ep'	Centigra	22.	_	8.83	9.39	1 1	8.00	00.6	1	8.44	1	1	9.11	1	1	0.09	1 1	1	8.11	1	1	1	ı	1 1	ı	7.56	3 1	9.33	1	1	8.17	1	1 1		
TEMPERATURE OF THE ALE.	Mean.	-	Евргепр	-		47.9 8	6.87			1.61	_	47.3	1	1	7.84	1	1	48.6	1	1	46.6	1	1	1	1	1 1	'	45.6	1	48.8	1	1	7.94	1	1 1		
FUREO				1 0%	1		34.8			44.0	_	40.0	1	1	35.9	1	1	0.26	<u> </u>		27.3	2 1	1	1	ı	1	1	33.0	1	35.0	1	1	35.0	1	1 1	1	
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Ann		II	A mora	100	-	21.2	20.8	16.3	21-2	27.5	94.9	19.2	11.8	19.1	39.9	23.7	20.7	0.61	20 0			_	6	ें	24	-	n L		1 6	9 9	60	-	-		c	-	
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during	ending 1899.		DEATHS.		223	4755	1818	94	52	65	71	48	011	1 ee	2	934	45	78	93	20	44	312	20	270	cht i	61	19	20	43	20	66	181	146	103	34	97	-
Portotoro	the Week ending 8th April 1899.		BIRTRS, DEATHS.		01	6480		146	67	69	26	200	181	3 89	200	318	69	117	132	09	80	394	96	359	101	37	69	54	48	20	68	248	226	103	82	155	
	POPULATION	estimated to the middle of			1.	11.404.408		300,241	127,759	123,226	190,741	100,637	118,026	103 729	168 88	514 956	113,266	213,851	239,384	106,401	115,162	634,212	162,221			277,001		117,622	103,464	- 97,721	- 236,241	- 423,889	- 361,169	- 234,270	- 140,655	- 228,625	
					Cols.	1		1 1	1	t	1	1	1	1 1	TEOF	TOT	1	ı	1	\$	4	- 1	1					,	LD -	-	1	1	ı			1	
	SHIGH	AND	BOROUGHS.		0	83 TOWNS		TORDON -	CROVDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	OWANDEA .	WOLVERHAMFION	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	Programman	LIVERPOOL -	BOLTON -	MANCHESTER	SALFORD	OLDHAM -	RN	PRESTON	HUDDERSFIELD	HALIFAX	BRADFORD	LEEDS -	SHEFFIELD	HULL -	GATESHEAD -	NEWCASTLE -	

TABLE 2. LONDON.—Births and Deaths Registered in the FOURTEENTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.**	1899
TOTAL Births	2676	2329	2820	2448	2566	2682	2731	<b>2</b> 629	2577	2415	2722.2	2554
Males Females -	1408 1268	1204 1125	1468 1352	1246 1202	1275 1291	1324 1358	1390 1341	1322 1307	1259 1318	1230 1185	1381·1 1341·1	1289 1265
TOTAL Deaths -	1572	1419	1722	1812	1683	1587	1597	1522	1501	1691	1694.6	1816
Males Females	807 765	720 699	914 808	95 <b>3</b> 859	884 799	836 751	868 729	767 755	787 714	881 810	885°6 809°0	908 908

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fourteenth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

,													
the second second second	Jan. 14.	Jan. 21.	Jan. 28.	Feb.	Feb.	Feb. 18.	Feb. 25.	Mar.	Mar.	Mar. 18.	Mar. 25.	Apr.	Apr.
TOTAL Births	2435	2811	2686	<b>26</b> 96	2802	2862	2752	2676	2627	2613	2480	2609	2554
TOTAL Deaths	1568	1503	1381	1690	1991	1686	1875	1925	1954	2099	2025	1922	1816
$\begin{array}{c} \text{Ages at} \\ \text{Death} \\ \text{Death} \\ \end{array} \begin{cases} \begin{array}{ccccccccccccccccccccccccccccccccccc$	320 177 87 223 331 346 84	289 169 78 220 327 341 79	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 - 145	341 203 99 227 367 464 115
Deaths from—  Small pox	27 8 34 37 10	30 8 30 40 16 10	21 12 31 36 - 15 - 8	22 8 32 50 1 10 -	21 7 49 45 - 20 - 15	27 4 40 38 16 - 11	- 32 7 29 55 1 13 - 10	36 7 48 61 - 9 - 12	38 9 36 55 - 9	35 7 45 73 - 7 - 8	33 4 37 90 4 11	37 4 31 57 - 9 1 7	29 8 34 58 -6 -11
All the above Diseases -	127	134	123	133	157	136	147	176	160	175	179	146	146
Dis. of Respiratory System—Phthisis—————————————————————————————————	363 179 152 77 171 485	295 154 153 74 142 474	266 144 121 80 161 462	348 189 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 209 198 75 184 837	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534
TEMPERATURE OF THE AIR.  Mean	45.0 50.7 39.8	47.4 51.9 41.9	38·2 43·2 33·7	35.5 40.1 30.6	47·4 51·7 42·7	45.6 51.7 39.9	40.7 48.2 34.0	38·0 47·7 28·3	40 2 49 4 31 1	42.5 52.4 33.8	32°2 40°9 24°8	50°1 59°0 43°2	48.9 56.1 44.0
Humidity of the Air	83	84	80	83	83	82	81	79	73	87	68	77	77
Rain-fall (in inches)	1.03	1.00	0.08	0.18	1.19	0.72	0.03	0.01	0.07	-0.00	0.11	0.37	0.49
Registered Sunshine (in hours)	20.3	3.3	35.8	7.4	10.5	22.0	88.9	34.1	43.7	19.7	31.3	19.5	25.3
CASES OF INFECT	ious S	BICKN	ESS IN	Hose	ITALS	* AT 1	HE E	ND OF	EACH	WEE	K.		
Small-pox	$\begin{bmatrix} 1\\2777\\1257\\250 \end{bmatrix}$	$\begin{bmatrix} 1 \\ 2749 \\ 1304 \\ 243 \end{bmatrix}$	2679 1368 249	2665 1377 229	2642 1373 228	2587 1403 231	2575 1394 215	$\begin{bmatrix} 2\\2581\\1374\\207 \end{bmatrix}$	$\begin{bmatrix} 2\\2540\\1313\\193 \end{bmatrix}$	2437 1261 183	2355 1200 173	2322 1165 148	2234 1127 139
W FFIL	a Mat												

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich: John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. 3 obbyer Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the LE 4. FOURTEENTH Week of the Year 1899

FOURTEENTH Week of the Year 1899.  In the Week ending Saturday, 8th April 1899.																			
	the		In	he V	Wee.	k ene Apr	ling il 18	99,			₽		Ir Satu	the rday	We,	ek en Apr	ding	99.	
	es for the 10	-	Des		of P	erso:	ns o	f .			res for the 10		De	aths	of I	Perso	ns o	£	
ESOF DEATH	Averages ek of the 1889-96*.	B.		nder 20,		der 40.	under 60.	der 80.	and s.	CAUSES OF DEATH	Averages of the 1889-98*.	S. Car	Ţ	7nde 20.	œ ,	under 40.	under 60.	under 80.	and Is.
	Corrected A	ALL AGES	0-1	1-5,	5-20.	20 and under 40.	40 and unc	60 and under 80	80 years upwards.		Corrected 14th Week	ALL AGES	0-1.	1-5.	5-20.	20 and un	40 and un	and	86 years upwards.
SES	1694.6	1816	341	203	99	227	367	464	115	Diseases of Circulatory System }	142.2	152	1	2	12	<b>1</b> 5	49	<b>5</b> 9	14
Vaccinated† Unvaccinated No Statement	0.3 0.1 0.2 70.9 16.9 0.1	- - 29 8 -	8 1	18 2	35 -	11111	11111	11111	11111	Croup Bronchitis Pneumonia	5.7 204.6 131.9 6.8 27.6	3 244 182 5 36	49 38 - 5		4 -	5 24 1 4	32 40 - 7	107 29 - 14	4
ng Fever	24.8 67.0 34.4 0.5 7.6 0.1 12.9	84 58 34 - 6 - 11	21 3 - - 7	- 4 34 17 - - 1	4 3 12 - 2 -	18 - - 3 - 1	25 1 - 1 - 1	1	11 2	Dentition	12·9 1·3 10·9 6·5 22·2 33·8	9 1 19 13 25 33	5 - 8 1 3 4	3 -	- - 4 6 1 4	- - 2 4 5	1 2 6 8	- 3 2 9 9	_
nt Fever	0·1 = 0·1 9·6	- 9	7		1 1,1 1 1	1 1 1 1 1 1	17.1	- 2	1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	2.6	1	- 			_	-	1	-
las	4·4 2·2 4·4 0·8	1 4		-	1 1 1 1	1 4				Diseases of Urinary System	45.0	49	<b>-</b>	1	-	4	18	23	2 -
and other Para-)	0.6	1	1	-	-	-	<del>L</del>	-	-	Diseases of Generative System Accidents of Childbirth-	5°4 3°6	6	- -	-	-	1 6	2	1 - 	1 1 1
Diseases - }	0.8			_	_	-	_		-	Diseases of Locomotive System	5.3	4	1		2	-	-	-	1
on, Want of } -milk } ism	0.7 7.5	12	-	-	-	4	8	-	-	Diseases of Integumen- tary System-	5.7	5	-		-	1	2	1	1
tic Fever, natism of Heart  atism	6·2 2·0 3·7 5·1 70·0 19·7 26·1 16·7·5 22·8 12·7	5 -3 5 97 13 19 174 17 14	- - 2 - 9 3 2 4 1	- - 3 - 1 9 4 5	1 5 13 4	1 	67	2 -1 42 - 12 - 5	4	VIOLENT DEATHS.:  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions	58.2 {	3 7 - 2 - 10	3	1 - 3	2	2 - 1	3 2 - 2 - 1		
ure Birth	45.5 4.0 8.2 50.9	45 3 10 71	45 3 9 -	1		-		41	30	By Drowning - By Suffocation in Bed By Poisons or Poisonous Vapours Other or not stated causes		17 4 30	17 - 4	-	2	3 7	1 5	-	2
ty y lions liseases of Brain ervous System	44.7 7.7 46.5 92.5	46 8 25 76	1 1 25 6	- 8	1 1 5	-2	12 2 - 12	24 2 - 34	6 - 4	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	0.9	3 9 -	2			2 -	1 3 -	4	
s of Organs of	3:1	-	-	-	-	-	-	-	-	OTHER CAUSES -	51°7	48	41		1	1	2	1	_
numbers in this co	olumn a	re th	eave	rag	e v	veel	kly	dea	ths	for the ten years 1889-98, rai	sed by 5	213 p	er (	en	t. fo	r i	ner	ease	9

numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase lation.

'those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered lmen. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the feath is not certified by a registered practitioner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of t, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS:
SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHOA, VIOLENCE, &c., registered in establishment of the Week ending Saturday 8th April 1899

SUB-DISTRICT during the We	ek endin	g Satı	ırday,	8th	Ap:	ril,	1899		•								
				_			The	DEAT	'HS re	giste	red d	iring t	the W	eeki	neluo	е	
proportional to the loss to be a substitute of the property of	Enume-			Des	ths of			**		Deatl	hs fro	m					tions.
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid) Fever.	Simple Continued	Diarrhoa.	Violence,	Inquest Cases.	Deathsin Publicantitutions
LONDON -	4,411,710	2554	1816	341	579	_	29	8	34	58		6		11	89	189	534
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS - METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	370 567 142 500 975	325 410 83 338 623 -37	65 72 14 73 117	105 136 19 105 198 16	11111	13 -7 9 -	2 3 - 3 -	3 9 1 3 18	14 10 1 13 20	1.1.1.1.1	1311	1 1 1 1 1 1 1 1	1 2 3 3	12 17 8 29 23	32 33 12 67 45	84 110 38 119 146 37
	90,996 <b>33</b> ,510	42	41 9	3 1	18					1 -	1.1	-	-		2 3	4 3	11 4
Kensington Town $Ww - W$ . Brompton $HH - W$ . & C.	122,164 48,301	58	60 19	12	23	-	-	-	-	2	- T	1.1	+	-	2	1	15 5
North Hammersmith $H^*$ South Hammersmith $H^*$ Fulham $Ww$ W. & C.	44.638 59,561 113,781	22 37 81	9 25 55	9 17	4 6 17	-	1 1 1	- 2	- 2	1 - 4	-	1	1 1.1	- 1	1	3 3	4
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	11 17 19	6 15 19	1 3 5	3 10	-	 		-	2 -	111	1 - 1	1.1.1	1 1 1	.1	1 1 3	31
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	5 23 21 3	16 16 9 11	3 2 1	6 5 - 2	1111	-	1 1 1 1	1	-	1111	1717	Label ten	1111	1111	- 4 2 1	10 3 2 8
St. James Westminster N. & G. St. Anne Soho HHHHHHH - N.	23,050 12,048	9	-8 7	1 2	2	-	-	-1	-	-		- 1	-	-		1	4
NORTH DISTRICTS.  All Souls Marylebone	36,595 19,798 19,637 32,547 32,611	11 6 28 12 23	17 9 11 12 10	3 - 2 4 1	4 3 25	1 1 1 1	-  -  -  -  1  -			1 - 1 - 1 -	LI Let. I	11711	11 ( 1.1	1 1 1 1	2 - 2	2 1 1 2 -	9 - 2
Hampstead WwHHHH - N. & W.	75,449	40	40	7	9	-	1	2	4	1	-	2	-,	-	2	3	18
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	22 14 16 25 14 39	8 18 17 11 9 30	3 3 3 2 4	2 3 4 3 5 8	11111	1 - 1 2	1 1 1 1 1	1 = -	1 1 1	1 1 111		111111		1 - 1	1 1 1 2	1 11 7 - 7 9
$ \begin{array}{c} \text{Upper Holloway} \\ \text{$WWWwHH} \\ \text{Islington South-west} \\ \text{Islington South-east} \\ \text{H} - \text{N.} \\ \text{Highbury $HH$} \text{N.} \\ \end{array} $	. 98,273 107,365 66,549 64,577	60 70 41 29	49 34 19 13	7 7 4	17 13 4 3		1 - 1		1111	1 2 -	1 171 1	1 1 1 1	1.1.1.1		3	.4 3 -	28
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$ \left\{ \begin{array}{c} 13 \\ 22 \\ 27 \\ 36 \\ 19 \end{array} \right] $	10 14 19 26 34	1 2 2 1 6 5	6: 11 3 9 18	14/11/1	14-	1	3 -	1		- 1	1111	11111	1 1 1 2	1 3 4 3	- 4 2 12

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers ar received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signife Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New Those Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and South Hammersmith, respectively.

See note \* on second page of this Return.

SIRE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SJARLET FEVER, DIPHTHEBIA, WHOOPING-COUGH, FEVER, DIARRHUBA, VIOLENCE &c., registered in each SJB-DISTRICT during the Week ending Saturday 8th April, 1899—continued.

SUB-DISTRICT during the Wee	k ending	Satur	day	8th	Apri	1, 18	99-	-con	tin	ued.			,					
		Tay comments					The	DEA	тна	egist	ered d	lurin	gthe	Week	inslu	ıde -		
	Enume-			Death					1	eaths	fron	α .					tutions	cf.
REGISTRATION SUB-DISTRICTS	rated Popu- lation	Total BIRTHS.	Total DEATHS	Infants under I Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Measles,	ScarletFever	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhœa,	Violence	LaquestCases	Deaths in Public Institutions	Uncertified Causes Death.
CENTRAL DISTRICTS.																		
George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	16 10	3 - 8 - 5	1 -	1 2 2			-	-	-			-	- 1 -	ī -	1 2 -	4 2	
.Martiu-in-the-Fields HHN.&C. rand WHH N. rand Union Workhouse, Edmonton	13,077 11,839 †1,037	31	10	3 1 -	2 1 -			-	1 -	- 1	-				2 -	1 22 1	7 4	1 1 1
olborn wHHHHHHHH - N.  "James Clerkenwell - N.  mwell Clerkenwell - N.  swell-street - N.  ty-road HHHL - N.  hitecross-street - N.  nsbury - N.  olborn Union Workhouse,  Mitcham - N	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	19 7 26 15 31 3 1	18 5 3 1 5 1	2 2 - 2	2 1 1 1 - 1	1111111	1111111	a Guina	111111	1 -		1		1	1 2 - 1 - 1 -	1 1 -	9 - 1	1 1 1 1 1 1 1 1
Botolph $H$ N.&E. ripplegate N. Sepulchre $WH$ N. lihallows Barking N. lihallows Barking N. road Street $H$ N. $ty$ of $London$ $Asylum$ , $Stone$ -	6,870 3,299 9,591 9,059 2,892 †388	3 - 2	12 2 2 -	1 -	3 1 -					1,1111	. 1 + 1 - 1 - 1		-		- - - - -	1	11 -	1111
EAST DISTRICTS. horeditch South $\ Hl$ - E. & N.	17,975	12 25 19	5	2 2	1 8	_	ī		-		_			-			7	
	29,575 27,645 47,163	19 32	17 7 33	2 3 2 11	12	-	-	-	-	1	-	-	_	1	1	1 1 3	15	1 1
ethnal Green North $H$ - E. ethnal Green South - E. ethnal Green East $WHl$ - E.	49,301 34,194 45,667	42 19 19	12 9 27	4 2 5	3 1 8		- 1	-		2 -	-		-	- 2	1 1 2	2 2 2	15	1 1 1
pitalfields E.&N. file End New Town* WH - E. oodman's Fields* E.	26,681 51,995 {	20 26 15	5 52 3	3 8 1	16	- - -	1 -	-	-		- - -	1 -	-	-	- 8 1	2 14 1	40	
t. George's North E. t. John, St. George East W E.	39,576 7,930	42 7	14 17	6 3	1 6	-	1 -	-	1 -	2 -	-	-	-	-	$\frac{2}{1}$	5 3	9	-
had well $H$ E. & N. atcliff $W$ E. inehouse E.	10,434 14,954 32,917	7 8 18	10 7 8	1 4 3	1 1 1		-	-	- 1 -		-	-		-	2121 -	5 3 1	3 -	
Iile End Old Town West $H$ E. Lile End Old Town East $WWww$	} 111,060	{ 53 20	18 24	3 3	3 8		2	-	ī	2 4	-	-	=		2 -	6	7	_
ow l E. coplar WW E.	41,687 69,821 57,759	27 51 38	17 39 14	2 6 1	6 19 6		1 -	1 1 1	-	2 -				-	5 -	3 9 3	17 17 2	

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASL SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-District during the Week ending Saturday, 8th April, 1899—continued.

Sob-District during the We				The DEATHS registered during the Week include													
	Enume-			Deaths of Deaths from											lons		
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued	Diarrhosa.	Violence.	InquestCases.	Deaths in Public Institutions
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & I. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	10 6 15 12 10 18 39 22	3 5 6 8 10 6 16 14	13134155	1 3222		3		1	1	111111	111111111	1111111	1	1 - 1	1 2 1 1 1	3 - 2 -
St. Olave WH S. Bermondsey W S. Rotherhithe WwH - S. & K.	11,731 85,475 40,379	5 58 24	15 25 20	4 2	1 4 10	-		-	-	1	111		1 1 1	4 -	3 1 2	3 2 2	15 1 5
Waterloo-road HH - L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW L. & S. Kennington 1st H - S. & L. Kennington 2nd - S. & L. Brixton w L. & S. Norwood WH L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	25 13 24 32 24 32 24 11	8 19 35 10 13 31 7	3285261	2 3 11 2 7 14 8		1114111	1,1,1,1,1,1	1 1 - 3 1	1 2 1	111111		111111	111111	1 2 - 3 -	- 5 - 4 -	1 13 16 -
	71,730 93,385 46,953 58,101 20,566 61,644	30 49 25 36 5 33	23 27 16 18 9 21	32443	8 11 3 4 3 11		11111	- - - - 2	3	3 - - 1 2	111111	11111		1		3 1 1 1 -	91 - 7
Dulwich L. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 63 58 37	2 64 29 16	- 8 10 2	1 29 7 3	-	- 2	11111	111	2 - 2	11711	-		1-1-1-1	- 2 1 -	3 2 1	39
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	26 28 12 12 12 38	13 12 7 5 20	2 4 1 -	7 2 5 2 12		-	11:	2	1 -	1111		4 1 1 1 1	11111	1111	1	3 1 9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	4 7 30 18	1 10 19 9	- 3 2 1	1 2 6 1	-	- - 1	- 1	- 3 -	1111	1116	1 1 1 1	-	1111	2	- 2 -	7
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	13 12 17 16 23	15 6 7 3 20	8 - 8 - 5	2 1 2 2 6	1 1 1 1	2	1111	1 -	- 2	11111	11111	11711	- 1	1 - 1	1 1 4	3 - 1 - 8
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum - London County Asylum Dartford Heath			4 - - 2 1 8 9 1 - 10 2		3 - 1 - 4 3 - 5 -	111111111111	1701111111	11,111 1 11111				111111   111111	111111111111		11111111111		4 - - 2 1 8 9 1 - 10 2

ABLE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 8th April, 1899.

ling Saturday, 8th April, 1	899.													-			
							The	DEAT					Veek	inclu	de		_
REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1 and Year of Age.	Persons aged 60 gr Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	laquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
DON-OUTER RING -	368,749	1,422,063	1035	611	119	200		13	2	10	15	4	1	24	42	68	6
Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	16 2	7 7	2 -	3	-	-	-	-		-	-	-	-	4	1
Godstone, part of * W	2,754	1,598	1	-	-	-		-	-	-	-	-	-	-			-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	76 18	67 9	15 2	29 4	-	-	-	-	1		-	2	3	16	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$ \left\{ \begin{array}{c} 25,777 \\ 33,556 \\ 12,178 \\ 11,080 \\ 18,252 \end{array} \right. $	22 27 5 6 16	12 9 7 2 7	2	4 3 1 1 4	1111	1 1 1 1	11111	1	1 1 1 1 1	1111	11111	2 1	3 1	1	1
Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	13 10	10 6	1 -	5 -	-	-	-	-	ī	-	==	1	1	2	-
Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	12 7 12	10 5 9	3 -	3 5 7	-	1 1 1	-	1 -			-		- - 1	1 6	1 1
Bexley HHH Dartford WH, part of * -	12,540	30,590	39	20 2	6 -	6	-		-	-	1 -	1	-	-	1	2	<u>-</u>
Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	10 5	3 5	-	2	-	-	-	-	2	-	-	-	-	-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	5 4 7	8 3 1	-	$\begin{bmatrix} 1\\2\\- \end{bmatrix}$	-	-		1 -	-		-	2 -	2 -	3 - 1	1 1 1
Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	10 9 25 14 26	14 8 15 8 22	$\frac{2}{2}$	6 2	11111		-		- - 1 1	1111		1 1	1 - 1	2 1 - 2	- - - 1
Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382			5 24 5	6	4				2 -	1 -			- - 1	1	2 3	1111
South Mimms HH Barnet WHH Finchley HHH	31,077 4,688			3 4 6	1	2		-		-	-		-	- 1	1 1	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	97,174 36,351 31,536 6,066	66 38 22 2	11 -	1	$\begin{bmatrix} 14\\ 3\\ 3\\ - \end{bmatrix} = \begin{bmatrix} 14\\ 9\\ 3\\ - \end{bmatrix}$	-	5 - 1		-	1	1 -		2	6 2 1 -	2 2	-
Hatfield, part of * W	3,306			-		-   -	1 -	-	-	1 -	-	-	-	-	-	-	-
Bushey H Watford WH, part of*	9,331	7,737	7 6	1			-	-	-	-	-	-	-	-	-	-	-
Stratford H	3,266 4,334 6,501	58,030 54,750 53,51 32,71 70,18 57,33	53 34 1 34 64 8 48 0 59	34 26 16 22 33 21		1 5 5 6	5 -	1 1	-	1	1 1 -	2 -		2	2 2 2 2	10	1 -
Epping WH, part of *-		-	-			-	1 -	-		Ì		-	-			1	-
Ilford Barking Town, H -	- 8,498 3,814	10,91	$\begin{array}{c c}3 & 22\\1 & 19\end{array}$	11		1	1 -	-   -	-	- 1		-	-		1	3	
Fulham.		40-00	_	- 11			1 .			-		-					1 -
	REGISTRATION SUB-DISTRICTS.  Carshalton wHH Epsom, part of* WwHH Godstone, part of* W  Croydon WwHHH Mitcham w  Croydon WHHH Mitcham w  Wimbledon HHH Kingston WH - Surbiton H - Esher, part of* HH - Hampton HL - Bromley HHH Beckenham H - Chislehurst, part of* WH Bexley HHH Dartford WH, part of* Staines WH  Hillingdon WHH Twickenham HH Twickenham HH Brentford HHHH Twickenham HH Brentford HHHH Twickenham HH Brentford HHHH Twickenham HH Brentford HHHH Tothiswick - Acton wHH - Harrow HHH - Edgware HH Willesden HHH Hendon WH - South Mimms HH Brentford WHH - Hornsey HH Tottenham HH Edmonton WH - South Mimms HH Brentfeld WWHH Waltham Abbey - Cheshunt H  Hatfield, part of* Stratford H Plaisting Town, H Watford WH, part of*  Stratford H Plaisting Town, H Western Fever Hospital Fulbam Midlesex County Asylum Willeam Willeam Fulbam Midlesex County Asylum	REGISTRATION   SUB-DISTRICTS.   Area in Acres.	BEGISTRATION SUB-DISTBIOTS.	BRGISTRATION   SUB-DISTRIOTS.   Area   Fated in   Population,   East   Population,   East	Carshalton   WHH   -	Content   Cont	REGISTRATION   SUB-DISTRICTS.   Area   Fopa   Instance   Fopa	REGISTRATION   Area   Faume-rated   Fauth   Fauth	REGISTRATION   Area   False   False	REGISTRATION   Area.   Raume-   Fig.   Raume-   Raume-	The DRATHS register   The DRATHS register	REGISTRATION   SUB-DISTRICTS.   Resume-rated   Sub-DISTRICTS.   Resume-rated   Sub-DISTRICTS.   Resume-rated   Sub-DISTRICTS.   Resume-rated   Sub-DISTRICTS.   Sub-DISTRICTS.	REGISTRATION   SUB-DISTRICTS.   Area   Sub-DISTRICTS.   Area   Sub-DISTRICTS.   Area   Sub-DISTRICTS.   Area   Sub-DISTRICTS.   Area   Sub-DISTRICTS.   Sub-D	REMOISTRATION   SUB-DISTRICTS.   Renume   Fatest   Fate	REGISTRATION   Area   Substitution   Part   Part	REGISTRATION   Area   Registration   Registration	RESIDENTATION   Area   Property   Property

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst sub-district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in Hatfield sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping (pop. 1,079); 189: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospitals for lufectious Diseases belonging to the Outer Ring in 42: 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 8th April, 1899.

ı	· ·				L RATE			The DE	EATH	S reg	istere	l in tl	10 We	ek ind	elude		
ı	GREATER	Area	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of				Deatl	ns fro	m			ublic
	S LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in Pu
ı	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	16.
I	GREATER LONDON	443,421	6,528,434	19.4	1.5	2427	460	779	-	42	10	44	73	10	12	113	602
	Inner London - Outer Ring -	74,672 368,749	4,546,752 1,981,682	20·8 16·1	1.7 1.2	1816 611	341 119	579 200		29 13	8 2	34 10	58 15	6	11	89 24	534 68

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692°845 square miles, which is equivalent to the area of a circle having a radius of 14°851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY IN EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

				1101	III OCI OWIII	TOREIGN	OIIIES.							
		POPULATION	DATE				ANNUAL	DE	AŢHS	FROI	PRI DISEA	SES.	L ZYM	
ı	CITIES	(enumerated	OF RETUI	RN.	BIRTHS.	DEATHS.	DEATH- RATE	0 X.	300	#	eria,	ng-	.:	ea.l
ı		or estimated).	Week endi	ng	Exclusive	of Stillborn	per 1000 living.	1-1	Measles.	Scarlet Fever.	othe	opi	Fever.	rho
ı							mymg.	Small-pox.	Me	E	Diphtheria	Whooping- cough.	E	Diarrheal Diseases
I	_		1			1		1		1			1. 1	1 11
ı	EDINBURGH - GLASGOW	298,927 733,903	April	.8	191 500	102 311	17·8 22·1	-	4	1	-	9	; ÷	1
ı	DUBLIN	349,594	39	8	159	220	32.8	_	9 2	1	2 3	6 5	5	10
ı	CALCUTTA	466,460	January	28		_	020	<u> </u>			J	3	J	
ı	BOMBAY	821,764	March	14	_	_	-	_	_	_	-		_	
ı	MADRAS	452,518	February	24	298	330	37.9	-	11	2	?	2	37	81
	PARIS	2,511,629	April	1	1206	1393	28.8	-	- 32	. 5	4*	16	10	64
	BRUSSELS	551,011	>>	1	268	261	24.5	-	3	1	1*	3	4	12
	AMSTERDAM -	512,758	March	25	309	158	16.0	-	1	-	1	2	1	_
ı	ROTTERDAM -	311,301	99	25	211	122	20.4	-	-	1	2	-	-	-
ı	THE HAGUE -	196,325	, 11	25	105	82	21.4	-	3	-	-	1	-	-
1	COPENHAGEN -	345,000	April	1	191	149	. 122.5	12	4	-2	-	3	~	3
ı	STOCKHOLM - CHRISTIANIA -	283,550 203,337	March April	25 1	145 142	143	26.2	-	10	1	10*	2	-	5
I	ST. PETERSBURG		April		142 .	63	16.1	- 1	-	-	1	2	-	3
	MOSCOW	1,132,677 988,610	,, March	I 25		561	29.6	8	12	3		-	-	-
	BERLIN	1,805,054		18	925	705		0	3		6	2	2	42
	HAMBURG	675,351	,, April	1	~	235	20·3 18·1		5	12	11	8	1	23
	DRESDEN	388,300 }	February	4	233 271	136 161	18.2	-	-2	-	2*	1	1	17 17
	BRESLAU	406,012	"April	1		176	21°5 22°6		1	5	2*	1		17 14
	MUNICH	445,000	31	1		215	25.1	_	_	-	1*	2	_	22
	VIENNA	1,606,629	17	1		-	be .	-		_	_	_ !	_	
	PRAGUE	380,497	March	25	-	-		-	-	-	-	-	_	-
	BUDA-PESTH - TRIESTE	666,722 165,913	99	25	456	367	28.6	-	9	3	-	-	3	11
	ROME		39 '	18	98	81	25.4	-	-	1	3*		-	-
H	TURIN (10 days)	500,610 344,203	19	25 10	709			-		-	-	-	-	-
	VENICE	169,883	77	25	193 85	231	24·5 36·5	-	7	-	2	11	1	2
1	CAIRO	570,062	,,	20		110	50.0		4	-	2*	3	1	6
I	ALEXANDRIA -	319,766			_	_	***	_	_	_	_ ]	-		
	NEW YORK	0.000												
	(including BROOKLYN)	3,550,053	March	18	1498	1222	18.0	1	14	18	30	6	4	10
1	PHILADELPHIA -	1,266,832	,,	18	-	520	21.4	-	1	1	12	2	44	14
-						11				-	1		-	

<sup>\*</sup> Including deaths from croup.
† Including 1 death from cholera.

							141	eve	orow	gica	<i>ii</i> (	Joser	vair	0718.							183
		Czone	0.0	0.5	8.0	2.0	2.0	7.2	0.0	6.1	26	808	balb tions	rears the	The	tions ment	and eter,	rate;	veek 4th:	M. On.	
Rain	in a Gauge whose	surfaceis 5 inches above the Ground.	in. 0.00	0.00	90.0	0.01	€0.0	0.52	0.13	Sum 0.49	. 25	el of the	The means of the wet bulb	wenty y 1868 for	d minir umn 8).	trical Ta	higher," hermom	m. moderate;	Instrum of the v on the	y 1h. P.A. by 10h.	
		Departure from Average of 16 Years.	Miles.	+ 38	+137	+247	791+	+446	+372	Sum +1314	24	nean leve	and the	ing the tending	num an hum an sair (col	ygrome nof the orizonta	rears end licates" rofthetl	weak; m	unsnine ginning 1. A.M.	0.06 in. b 29.94 in. ncreased	
r.B.,	Robinson's.	Horizontal Movement of the Air on each Day.	Miles. 204	335	434	543	462	739	<del>1</del> 999	Sum 3331	23	midnight ove the n	M., and 91 mometer	nade dur y years	e maxin	y are designation of part of property of p	r the 16 y hat + inc idex erro	N. negative; w. w.	day. day. t the be	ased to 30 reased to h: and i	
nometer	he	an 24 rrly ss.	lbs.	67.0	9.0	6.0	9.0	2.0	1.8	:	22	tht to	3h.P.	ords newort	of the	by Glaron a rom a and t	rasto aind tl	gative	each 93 in. 8	increa a; inc the 7t	
om Aner	Pressure on the	Least.	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig s 159 fe s to re	noon y	the the	ings lings of tem	rived f	icreco le in n tedfor	N. ne	ine on om 29: sed to	the 6th	
nced fro	Press	Great-	1bs. 0.8	3,3	6.3	00.00	2.2	15.0	26.0	:	20	from retering	A.M.;	graphi	ean read value	uegre ermon hatde sendin	ometr e born correc	ive;	om th sunsh sed fr	e same M. on by noc	
Wind as deduced	Osler's.		SW.	SSW. WSW.	SW. &	WSW.SW.	SW. &	WNW.	& NNW.	W.	19	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.	Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb	deduced from a discussion of the photographic records made during the fewerly years earling 1873 for the theoreter, and during the twenty years the control of the control	combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of their contracted mean daily value of temperature of their (ordinature). The	the an early of wew point temperature and usergive on numbers of the accuracy 1.18 biles.  The average temperature of the antisthat derived from a discussion of the observations made at Green wich during the 50 years ending 1880, and that of horizonal movement and one of the observations.	the sar from a discussion of the anemometric records for the 16 years enting toto.  In reading columns 3 and 24 twill be borne in mind that + indicates "higher," and  - "lover," than the average, it will be borne in mind that + indicates "higher," and  - The values given in column 17 are not corrected for the index error of the thermometer,  which cannot be determined.	The record of histography again, and in the symbols employed are:—P. positive; N. negative; W. weak; m. moderate; s. mirong; and v. variable.	The numbers in column 23, derived from the Campoel-scokes Sunsinie Instrument, show the aggregate duration of bright sunshine on each day. The reading of the barometer decreased from 2993 in at the beginning of the week for 8993 in the the Na. on the Stat increased to 3000 in. by Th. A.M. on the 9th is first increased to 3000 in. by Th. A.M. on the 4th is	decreased to 29:82 in. by 6h. P.M. on the same day; increased to 30'06 in. by 1h. P.M. on the fit increased to 29'94 in. by 10h. A.M. increased to 29'94 in. by 10h. A.M. on the styling and the processed to 29'94 in. by 10h. A.M. on the same day decreased to 29'96 in.	200
	O Discourt Discortion	A.M.	WSW. &	SSW. SW.	WSW.SW.	WSW.	SW;	SSW. & W	WNW.	S	18	apply to the of the of the cistern	s are usually ngs of the	a discussion or the baror	corrected forming the	w point temp the dry and temperature wich during	or the alf from a discussion of Threading columns 9 and 24 - "fower," than the average. The values given in column 1 which cannot be determined.	The record of Electricity The symbols employed as strong; and v. variable.	s in column z egate durati of the baro	19.82 in. by 6 sased to 29.84	by the end of the week.
R.E.	Of the	Earth 3 feet below 'he Surface.	0 44.63	45-27	45.79	46.11	46.30	46.55	46.75	45.91	17	results a neight c	rvation e-readi	d from 1873 for	ed the	alues of verage t Green	ading cer, the	mbols g; and	number he aggr reading	sed to secre	end of
TEMPERATURE	f.	Lowest on the Grass.	0 45.0	41.0	40.3	39.0	43.1	41.1	32.8	40.3	16	The 1 The 1 no corr	Obser the ey	deduce	combin	daily variation of the a	In readir  In readir  ''lower,  The valu  which can	The sy s. stron	show the The The 1	decrease the 5th	by the
TEM	Of Radiation.	Highest in Sun's Rays.	94.2	1.601	94.8	9.601	109.5	2.62	102.9	0.001	15		ņ.	fine	rain	afterwards Solar halo	fine ercast halo	strong	heavy, sleet,		
	Degree of Hu-	(Saturation equals 100).	200	71	85	99	29	84	7.4	77	14	KS.	ternoo	rnoon	g with	after Solar	rning M.; ov Solaı	rain.	with y rain after	P,M.	
ween	rature int re.	Least.	0.5		0.0	3.4	1:3	1.9	0.0	1:2	13	GENERAL REMARKS	Generally overcast; fine in afternoon,	overcast till afternoon; Cloudless at night.	evening with ards.	cloudy night.	in me 4h. P. wards.	Generally overeast; frequentrain. Strong asty wind.	iable inied b	at 5h.	
ence bet	Temper Dew Po nperatu	Great-	0.0	14.4	2.0	17.1	21.7	7.9	14.1	13.0	12	AL RE	st; fin	ast til less at	st till afterw	P.M.;	wery dy till after	st; fre	compa	served	
Differ	the Air Temperature and Dew Point Temperature.	Mean daily value.	0 7.	6.63	1.3	11.0	10.7	4.7	9.2	0.2	11	SNER	overca	overc	verca;	ill 3b. showe lb. P.M	d sho	overea	orning nd, ac	lia oʻz	ı
	Of the Dew		0 48.7	49.9	46.3	39.9	42.6	41.4	32.3	41.9	10	G.	rally o	ards.	Generally overcast till afternoon; fine afterw	fine trentle	dy an artially requen	erally o	in m s of wi	parhe	
RE.		De- parture from Average of 50 years.	0 +	1 2 4		+ 4.7	+ 7.1	0.0	0.9 -	+ 5.0	6		Genc	Generally afterwards.	Generally overcast till even in afternoon; fine afterwards.	Very fine till 3h. P.M.; cloudy with gentle showers at night, observed at lh. P.M.	Cloudy and showery in morning; fine that partially cloudy till $4h$ . $PM$ ; overcast with frequent rain afterwards. Solar halo observed at noon.	Generally gusty wind	Fine in morning; variable with heavy squalls of wind, accompanied by rain, sleet, and snow till evening; fine afterwards.	Bright	
TEMPERATURE	ii.	Mean daily value,	0 65	51.5	20.0	6.09	53.3	46.1	39.9	48.0	00	Registered Sun above Sunshine Horizon, in hours,	12.9	13.0	13.1	13.5	13.2	13.3	13.3	Sum 92.0	59
TEMPI	Of the Air,	Daily Range.	0 0 0			16.2	12.6	8.4	12.3	12.1	- 4	tered Standard	1.6	9.7	ē.0	7.3	5.0	0.7	2.9	H <sub>ee</sub>	878
		Low- est	0 7.77			43.0	47.8	43.4	34.8	44.0	9	Regist Suns in ho	i	21	.0		ش -	· 		Sum 25:3	
		High-	0 00			59.3	60.4	21.8	47.1	56.1	2	Y. n of ote.)	nout -	- nou	- nout	P.M.; after-	N. till P. till after-	v. N.	A.M.; N. till after-		
BARO-	Mean	rected and reduced to 32° Fahren-heit).	in.	866.66		30.006	29.804	29.101	29-456	29.731	1	Electricity. (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. throughout	w. P. till 9h, P.M.; w.P. and w. N. after- wards.	w. P. and w. N. till 2h. A.M.; w. P. tull 11h. P.M.; v. N. after- wards.	v. P. and generally.	w. P. till 10h. A.M.; v. P. and v. N. till 9h. P.M.: w. P. after-		22
	Phases	of the Moon.		Last	Quarter	:	Perigee	:	In Equator		3	(For eymp	w. P.	w. P.	W. P.	w. P. a. wards.	w. P. 2h. A.M 11h. P.N wards.	v. I genera	w. P. v. P. 9h. P.M	wards.	
		Q N	-	n on	0 44	Z 2	9	_ 7	∞	1	- uu		- CJ	n 1	41	20	<u>s</u>	1	<u></u>		1
	1899.	MONTH AND DAY	APRIL.	MONDAY.	TUESDAY .	WEDNESDAY	THURSDAY-	FRIDAY	SATURDAY	MEANS	No. of Column	DATE.	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY		No. of Col.

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1399.

#### OFFICIAL COPY.

#### WEEKLY RETURN

#### LONDON 1 N DEATHS AND BIRTHS

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, APRIL 15. [Price 1] d. No. 15. 1899. Vol. LX.]

> General Register Office, Somerset House, April, 17th, 1899.

# THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 19.5 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

per 1000:—			1.	1	1			V	Veeks	ending	or Or
Towns.	Mar. 25.	Apr. 1.	Apr. 8.	Apr. 15.		Towns.	•	Mar. 25,	Apr.	Apr. 8.	Apr. 15.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Cardiff - Croydon - Cardiff - Croydon - Halifax - Huddersfield- Hull - Leeds -	$\begin{bmatrix} 23.1 \\ 22.1 \\ 25.1 \\ 22.5 \\ 21.6 \\ 21.2 \\ 18.0 \\ 24.0 \\ 13.2 \\ 19.6 \\ 22.5 \\ 19.6 \\ 22.4 \\ 16.1 \end{bmatrix}$	23·8 21·4 21·2 21·3 24·4 13·2 17·1 19·1 20·1 4 20·2 4 20·3	23·7 25·8 16·1 20·5 27·5 19·2 28·1 11·8 21·2 24·5 16·6 26·7 21·7 22·9	17·2 24·0 18·1 19·9 17·0 27·1 17·2 20·3 11·2 14·3 19·1 5 21·5 7 19·2 7 21·7		Leicester Liverpool London - Manchester Newcastle-on Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverham	-   ne	26·1 23·2 33·4 19·4 20·7 20·5 32·9 27·5 20·8 19·9 23·8 21·1 23·1 17·4	31·8 22·6 23·9 22·7 30·4 23·3 21·3 21·3 22·9 25·3 23·3	25·7 20·8 25·9 22·1 20·7 20·3 24·9 24·9 19·4 22·2 24·6 21·1 6 19·1 5 16·3	24.7 18.6 28.3 17.3 18.0 18.5 24.6 19.7 18.0 21.3 17.0 22.0

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.6 in Bolton, and 3.0 in Manchester; from scarlet fever, 1.1 in Halifax and in Bradford; from whooping-cough, 1.0 in Oldham, 1.5 in Huddersfield, 1.7 in Cardiff, 2.1 in Plymouth, and 2.3 in Birkenhead and in Burnley; and from diarrhæa, 1.4 in Salford. In none of the thirty-three towns did the death-rate from "fever" reach 1.0 per 1000. The 55 deaths from diphtheria included 20 in London, 7 in Sheffield, 4 in West Ham, 4 in Liverpool, 3 in Portsmouth, and 3 in Leeds. Two deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns. LONDON.

In LONDON† 2875 BIRTHS and 1624 DEATHS were registered. for increase of population, the births were 247 above, and the deaths 78

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum tending deaths of London occurring situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the intercept and the London fever Hospitals within Registration London. As far as practicable, the deaths Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

below, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 23.2, 22.0, and 20.8 in the preceding three weeks, further fell last week to 18.6. During the four weeks ending on Saturday last the death-rate averaged 21.2 per 1000, being 1.3 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 1624 deaths included 34 from measles, 6 from scarlet fever, 20 from diphtheria, 54 from whooping-cough, 14 from enteric fever, 4 from diarrhœa and dysentery, 1 from cholera, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 133 deaths were referred to these diseases, being 82 below the corrected average

weekly number.

The deaths from measles, which had been 33, 37, and 29 in the preceding three weeks, rose again last week to 34, but were 45 below the corrected average; 6 cases belonged to St. Pancras, and 5 to Islington sanitary areas. The deaths from scarlet fever, which had been 4, 4, and 8 in the preceding three weeks, fell again last week to 6, and were 9 below the corrected average. The deaths from diphtheria, which had been 37, 31, and 34 in the preceding three weeks, fell again last week to 20, and were 16 below the corrected average; 3 cases belonged to St. Pancras, and 3 to Lewisham sanitary areas. The deaths from whooping-cough, which had been 90, 57, and 58 in the preceding three weeks, fell again last week to 54, and were 10 below the corrected average; 9 cases belonged to Islington, and 7 to Newington sanitary areas. The fatal cases of enteric fever, which had been 4, 9, and 6 in the preceding three weeks, rose again last week to 14, and were 8 above the corrected average; 2 cases belonged to St. Pancras, and 2 to Hackney sanitary areas. The deaths from diarrhaa, which had been 11, 7, and 11 in the preceding three weeks, fell again last week to 4, and were 10 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 604, 505, and 470 in the preceding three weeks, further fell last week to 343, and were 28 below the corrected average. The deaths attributed directly to influenza numbered 78, having been 108, 102, and 84 in the preceding three weeks.

Different forms of violence caused 83 deaths, concerning all but 3 of which inquests were held. Of these 83 deaths, 8 were cases of suicide, and 3 of homicide, while the remaining 72 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, 1 to a conflagration, 10 others to burns and scalds, 1 to the effects of chloroform administered for surgical purposes, and 12 (of infants under one year of age).

to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3 cases of small-pox, 2126 cases of scarlet fever, 1068 of diphtheria, and 129 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 163 cases, against 177, 167, and 150; of diphtheria, 108 cases, against 110, 121, and 103; and of enteric fever, 16 cases, against 15, 13, and 13.

GREATER LONDON.

In Greater London 4047 births and 2101 deaths were registered, corresponding to annual rates of 32·3 and 16·8 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 2 from scarlet fever, 12 from diphtheria, 17 from whooping-cough, 1 from "fever," and 5 from diarrhæa were registered. Seven deaths from measles, 6 from diphtheria, and 5 from whooping-cough occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.31 inches, and that of the Thermometer 43°9; the latter being 2°0 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 15 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 21.9 hours; the measured rainfall amounted to 1.27 inch.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

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	CITIES	AND BOROUGHS,		Cols.	33 TOWNS.	LONDON.	WEST HAM.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	CARDIFF.	SWANSEA.	WOLVERHAMPTON.	BIRMINGHAM.	NORWICH.	NOTINGHAM.	DERRY	Bingwinean	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	GATESHEAD.	NEWCASTLE.
ALL.		Centi- netres.	u uj	24.	2.44	3-23	1 000	02.2	1	1 00	# 1	ı	12.5	1 !	19.7	1.83			9.61	101	t	1	1	1 1	1	2.21	1	2.54	1	1	1 (	1	1
RAINFALL.		тсрево	ıı uı	23.	96.0	1.27	1 30	0.67	1	1 0.0	Co 1	1	1.09	, !	C(.T	0.73	! !		1.04	# I	1	1	1	ı t	1	66.0	,	88.0	1	1	1	1	1
AIR.	n.	grade.	Centi	22.	₹6.9	19.9	10.0	19.9	1	- 0.00	- 0	,	00.9	1	₹6.¢	5.50	2		2-7:0	1 1	ı	1	1	1	1	4.39	1	5.28	1	1	1 1	1	1
OFTHE	Mean.	enheit.	Fahr	21.	42.7	6.81	1 3	45.0	1	- 49.4	# O# 1	1	45.8	1 5	42.7	- 6-14	,		8.07	1	1	1	1	1 1	1	39.9	1	41.5	1	ı	1 :		1
SATURE		Lowest.	heit.	20.	30.0	31.2	! 6	35.0	1	1 00	G   1	1	31.3	1	35.0	33.5	200		7.4G	# IO	1	1	ı	1 1	1	30.2	1	32.0	1	1	ı	1 1	1
PRMPRE		Highest	Fahrenheit.	19.	61.3	61.3	1 00	54.3	1	1 24.0	0 # 0	t	8.49	1 0	0.60	0.90	1		51.5	1	1	1	1 1	t	1	20.2	ı	51.4	1	1	1	, ,	1
Hate 1	ne leaths.	nom sees in .21-0 .	Dises Cols	18.	1.1	2.1	in a	77.0	2.0	2.1	3.0	1.5	9.0	1.7	6.0	1.5 0.0	3 10		0 q	0 T	1 <del>4</del>	5.6	1.4	4 - 51 ič	1.8	1.5	1.1	5.0	3.0	1.1	0 1	1.0	200
Annual Rate per 1000,	to the Week's Deaths.	All ases.		17.	19.2	18.6	13.0	14.3	18.0	7.61	10.1	13.1	1.97	0.45	18.0	18.2	10.1	101	277	10:0	28.3	21.5	24.6	18.1	18.6	21.2	19.5	17.0	16.6	17.0	19.1	91.5	17.3
	'uı	ncertified ses of Des	Caus	16.	59	9		1 1	1	l r	-1 I	1	1	5	1 ,	т e	1 1		7 7	# I	4	_	1	1 -	က	က	-	t	1	9	ന	# 1	6.2
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RATHS	I	et Fever,	Scarl	∞,	34	9	1 ,		-	ı	1 1	1	1	1	F	©1		1		<b>⊣</b> :	ୀ ଜୀ	1	1	י וכ	٠ ا	1	হা	20	4	7	०१ ।		1 1
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		l-pox.	lamS	6.	61	ı	1	1 1	1	1	( 1	1	1	1	1	1	1	ı	1	1	1 1	1	1	1	1	1	1	1	1	1	ଦୀ	1	1 1
	eaths of	ns aged Years apwards.	Perso 60 and	5,	1136	464	15	13 25	20	11	76	9	11	19	19	18	27 -	СТ	- :	19	48	13	16	9 :	7 1	17	1 21	21	36	33	25	14	2 8 2
	Deat	te under ear of Age.	Infai Y I	4	910	320	19	9 21	15	2	12 4	-	10	53	9	18	3	,	E 2	80 9	63	20	19	16	6	~	0 4	14	30	53	17	17	19
d during	1 1899.		DEATHE	ແງ້	4267	1624	5.	35	99	38	106	36	45	237	88	12	cs s	338	38	300	295	06	71	# 5	4 24	43	38	77	135	118	98	63	76
Registere	the Week ending 15th April 1899.		BIRTHA, DEATHE	ાં	7623	2875	204	99	117	75	231	69.	17	434	02	127	621	23	68	474	460	167	93	69	27	1 10	45	109	281	258	168	107	135
	Z	to the middle of the Year 1899.*		1.	11,404,408	4,546,752	300,241	127,759	190,741	100,637	320,911	103,722	88,821	514,956	113,266	213,851	239,384		115,162	634,212	543 909				#01,081		102,601	986 941	423,880	- 361,169	- 234,270	- 145,613	- 106,552 - 228,625
	CITIES	AND BOROUGHS.		Cols.	33 TOWNS -	LONDON	WEST HAM	CROYDON	PORTSMOUTH -	PLYMOUTH -	ı	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH		NOTTINGHAM -	DERBY - ,-	BIRKENHEAD -	LIVERPOOL	BOLTON		OLDHAM -	BURNLEY	BLACKBURN	THIA	HODDERSFIELD -	BPADEORD -	- 1	SHEFFIELD -	HOLL	SUNDERLAND	GATESHEAD - NEWCASTLE -

TABLE 2. LONDON .- Births and Deaths Registered in the FIFFEENTH Week of each of the Eleven Years, 1889-99.

TOTAL Births	1889	1890	1891 2716	1892	1893	1894	1895 	1896	1897 	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
Males	1292	1154	1345	1112	1313	1338	1233	1414	1144	1336	1334·2	1526
Females -	1217	1206	1371	1075	1354	1262	1147	1268	1106	1287	1293·4	1349
TOTAL <b>Deaths</b> -  Males  Females	1493	1619	1766	1590	1631	1609	1622	1727	1418	1648	1701°6	1624
	777	842	978	836	894	815	817	883	752	863	890°3	865
	716	777	788	754	787	794	805	839	666	785	811°3	759

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fifteenth week of the ten years 1889-98, raised by 5.213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

	ın H	OSPIT.	ALS, 11	n the	Last	THIRT	EEN	WEEK	8.			;	
• 11 .	Jan. 21.	Jan. 28.	Feb.	Feb. 11.	Feb. 18.	Feb. 25.	Mar.	Mar.	Mar 18.	Mar. 25.	Apr.	Apr.	. Apr. 15.
TOTAL Births	2811	2686	2696	2802	2862	2752	2676	2627	2613	2480	2609	2554	2875
TOTAL Deaths	1503	1381	1690	1991	1686	1875	1925	1954	2099	2025	1922	1816	1624
$\begin{array}{c} {\rm Ages\ at} \\ {\rm Death} \\ {\rm Death} \\ \end{array} \\ \begin{array}{c} {\rm Under\ 1\ year\ -\ -\ -\ -\ -\ -\ -\ -\ -\ -\ -\ -\ -\$	$ \begin{array}{c cccc}  & 169 \\  & 78 \\  & 220 \\  & 327 \\  & 341 \end{array} $	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	245 104	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86
Deaths from— Small pox	30 8 30 40 16	21 12 31 36 - 15	22 8 32 50 1 10	21 7 49 45 - 20	27 4 40 38 - 16	32 7 29 55 1 13	36 7 48 64 - 9	38 9 36 55 - 9	35 7 45 73	33 4 37 90 -	37 4 31 57 - 9 1	29 8 34 58 - 6	34 6 20 54 - 14
Diarrhœa and Dysentery	10	- 8	10	15	11	10	12	13	-8	11	7	11	1
All the above Diseases  Dis. of Respiratory System— Pathisis——————————————————————————————————	295 154 153 74 142 474	266 144 121 80 161 462	133 348 189 165 74 152 539	481 192 194 69 178 593	136 413 154 156 79 166 471	147 484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	146 470 174 152 89 189 534	343 173 147 83 156 509
TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings  Mean of Lowest readings	47·4 51·9 41·9	38·2 43·2 33·7	35.5 40.1 30.6	47·4 51·7 42·7	45.6 51.7 39.9	40.7 48.2 34.0	38.0 47.7 28.3	-40 2 49 4 31 1	42.5 52.4 33.8	32°2 40°9 24°8	50 1 59 0 43 2	48·9 56·1 44·0	43.9 52.2 37.2
Humidity of the Air	84	80	83	83	82	81	79	73	87	68	77	77	-80
Rain-fall (in inches)	1.00	0.08	0.18	1.19	0.72	0.02	0.01	0.07	0.00	0.11	0.37	0.49	1.27
Registered Sunshine (in hours)	3.3	35.8	7.4	10.2	22.0	£8:9	34.1	43.7	19.7	31.3	19.5	25.3	21.9
CASES OF INFECT	NOUS !	SICKN	ESS IN	Hosi	PITALS		HE E	ND OF	EACH	WEE	к.		
Scarlet Fever	2749 1304 243	2679 1368 249	2665 1377 229	2642 1378 228	2587 1403 231	2575 1394 215	2584 1374 207	2540 1313 193	$\begin{bmatrix} 1\\2437\\1261\\183 \end{bmatrix}$	2355 1200 173	2322 1165 148	$\begin{bmatrix} 1 \\ 2235 \\ 1126 \\ 139 \end{bmatrix}$	2126 1068 129

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their mateorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. 'reston, Esq., F.R. Met, Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R.C. Cann Lippincott, E.q., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, E.q., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston: A. Johnson, Esq., M.Inst. O. E., Bradford; and Mr. E. Peak, Hull.

LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4. FIFTEENTH Week of the Year 1899.

	for the	_	Satur	tne day,	Wee 15th	k en Ap	ding	399.	_		for the						nding pril I	-	_
			Dea	ths th	of P	erso ges	nso	f					De	aths	of I	Perso	nso	f	_
USES OF DEATH	cted Averages Week of the 1889-98*.	202	U	nder 20.		ider 40.	under 60.	under 80,	and is,	CAUSES OF DEATH	Averages ek of the 1869-98*,	ES.	τ	30,	r	under 40.	nder 60.	nder 80.	s and
	Corrected 15th W	ALL AGES	1-0	1-5.	5-20.	20 and under 40.	40 and ur	and	80 years a upwards.		Corrected 15th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and u	40 and under	60 and under	86 years upwards.
USES	1701.6	1624	320	195	79	225	341	<b>37</b> 8	86	Diseases of Circulatory System	144.4	147	3	1	6	25 	43	64	5
Vaccinated† - Unvaccinated No Statement S Fever	0·1 0·2 78·9 14·9 0·3	- 34 6 -	8 1	- 24 2	2121	1	111111	114111		Croup	5.5 185.4 147.6 7.2 25.3	3 182 125 6 27	1 34 34 - 4	2 15 31 4	3 - 1	5 16 1 4	- 32 19 3 6	79 18 2 8	17 4 -
Liza	20·5 63·5 36·4 0·2 6·1 0·3 14·2 0·1	78 54 20 - 14 1 4	7 22 1 - - 1 3	4 30 12 - - 1	227 - 21	13 - 9	21 - 3	25	6	Dentition Quinsy, Sore Throat - Enteritis Peritonitis Diseases of Liver Other Diseases of Digostive System	11:2 1:4 11:5 6:0 26:6 30:0	6 2 15 4 28 28	3 - 3 - - 5	3 1 - 2 1	1 3 - 4	- 4 1 5 2	- 1 15 2	- 2 3 6 7	1 - 2
ent Fever	0.1 0.2 11.2	- 6	- 6		1 1 1 1 1	1 1 1 1			- - -	Diseases of Lymphatic System & of Ductless Glands	2:5	2		-		1	1	-	-
elas a and Septicæmia ral Fever Zymotic Diseases	5·2 1·2 4·4 2·4	2 1 4 3	1	-	1	2 - 3 -	- 1 -	4111	1	Diseases of Urinary } System }	52:1	43	-		1	5	13	22	2
and other Para-	0.6 0.2	1 3	1	-	- 1	- 2	-		<u>-</u>	Diseases of Generative } System	5*8 4*8	5 6	-	-		3 6	1	1	+ 1 -
l Diseases - }			_	_		_				Diseases of Locomotive }	6.8	7	-	-	1	2	1	3	-
tion, Want of st-milk }	1.5 11.0	2 10	1	1 -	-	4	3	3	-	Diseases of Integumen- tary System-	6.0	5	1	-	-	-	2	2	
atic Fever, matism of Heart } latism	6·9 3·3 3·3 6·1 68·5 18·5 26·1 160·9 17·4 13·9	6 3 4 8 72 11 17 173 15 13	1 4 1503388	1 - 4 1 4 10 4 4 1		2 - - 4 1 - 66 1 2	3 1 - 32 - 1 69 -	1 2 28 - 13 1 2	- 1 7 - - -	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Sealds, Explosions	<b>53°4</b>	2 7 - 1 1		12 1 1 5		- 4 - 1 - 2	2 1 1	- - 1 1	1 1 1 1 1
ture Birth asis hital Malforma-}	50°3 3°1 6°5 51°9	44 2 14 54	44 2 12 -	- 1	_ 1 -		-	- - 27	- - 27	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		5 12 4 30	12 - 5	2	1	3 6	1 10 	4	- 2
sy	45.6 9.7 45.6 88.3	41 5 37 90	- 31 10	- 6 8		- 2 11	14 1 - 21	1 -	5 - 6	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1:1 10:5	38 -	1 -		1 1 1	2 1 -	-4	- 33 -	111
es of Organs of all Sense -	3.3	2	1	-	1	-	-	-	-	OTHER CAUSES -	53.2	51	39	6	1	1	3	1	-

ulation.

ulation, ly those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered at men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." e evidence attinquests is often insufficient to enable the Coroner to certify whether a violent death be the result of nt, murder manslaughter or suicide. All such cases are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHGEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 15th April, 1899.

SUB-DISTRICT during the W	endir	ig Dati	ll	, 10	on A	brit											
1	and the second of the second o			-		1	The	DEAT				uring	the W	eek i	nelud	e	1 26
	Enume-			1-	ths of	-				Deat	hs fro	1 .	1	,			ution
REGISTRATION SUB-DISTRICTS.	Popu-	BIRTHS.	TH8,	under 1 Year	ged 60 Years			ver		-cough.	-	r Typhoid)	Continued			Bes.	Deathsin Publicanatitutions
	1896.	Total BIR	Total DEATHS.	Infants u	Persons aged 60 and upwards.	Sraall-pox	Measles.	Scarlet Fever	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Fever.	Simple Fever,	Diarrhoea	Violence,	Inquest Cases	Peathsin I
LONDON -	4,411,710	2875	1624	320	464		34	6	20	54		14		4	83	156	509
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	384 638 117 596 1140	278 376 74 295 558 43	40 74 8 76 122	82 116 18 79 154 15	1 1111.	1 16 2 7 8	1 1 3	4 4 - 2 10 -	9 14 2 5 24	11111	3 5 -1 5	1, 1,1,1,1,1	1 2 -	9 16 4 25 27 27		98 99 30 107 132 43
WEST DISTRICTS.											-						
$ \begin{cases} \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \end{cases} G. \& W. $	90,996 33,510	40 3	25 14	2	1! 4		1	-	-	S-1 -		-	-	1	2	4	3 5
Kensington Town Ww W. Brompton HH W & C.	122,164 48,301	60 11	57 10	10	17 2	-	-	-	-	1	-	-	-	-	1	3 -	26
North Hammersmith $H$ South Hammersmith $H$ W. & G Fulham $W^{m}$ W. & C.	44.638 59,561 113,781	33 40 85	11 : 25 46	237	6 5 12	-	1 1.1	- - 1	- 3	4		1 1	-		1 2 1	1 3 2	5 20
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH - C.	21,450 $42,057$ $33,139$	10 17 17	2 25 11	- 4 4	7 4	-	- 4		11.1.	1 -	-	ī	-	-		2 -	13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	20 26 6	$\begin{array}{c} 11 \\ 23 \\ 6 \\ 7 \end{array}$	- 4 2 1	5 6 2 -			1111	1	1 1	1111		1111	1111	2	2 -	6 10 - 6
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N.	23,050 12,048	7 5	4 1	-	1	1	-	-	-	-	-	-	-	-	-		1 -
NORTH DISTRICTS.  All Souls Marylebone H. W. Rectory Marylebone W. G. & W. St. Mary Marylebone B. G. & W. Christehurch Marylebone H. W. St. John Marylebone H. W. W.	36,595 19,798 19,637 32,547 32,611	12 7 26 17 17	14 3 7 7 5	1 - 1 - 2	3 3 2 1	-		1111		1 1 1 1		1		1 1 1 1	4	1 -	9 2 2 -
$\left. \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} \right\} - \text{N. & W.}$	75,449	34	25	7	7	-	1	1	1	-	-	-	-	-	2	2	6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	17 16 10 27 11 63	9 15 18 11 20 28	2 3 2 6 7	3 3 2 6 7		1 4 1			1 - 2 1	11111	1			111	1	10 4 2 12 4
$ \begin{array}{c} \text{Upper Holloway} \\ WWWwHH \\ \text{Islington South-west} & \text{H} & -\text{N.} \\ \text{Islington South-east} & -\text{N.} \\ \text{Highbury} & HH & -\text{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	57 71 53 37	58 32 25 23	8 7 6 6	22 8 9 3		1 2 1 2			4 1 1 3			-	-	2 4 -	3 6 -	32
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	13 27 29 49 45	7 13 21 9 26	1 2 8 2 1	4 7 5 4 11		1		3	1		2		-	2	1 2 1	3   12

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which papers are creeived. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. significand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. Nex See note † on first usge of this Return.

\* See note † on first usge of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and South Hammersmith, respectively.

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES. SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday 15th April, 1899—continued.

SUB-DISTRICT during the wee		1	1			,	-	_	_			durin	gthe	Week	rin.d	nde	_	_
	Enume-			Deat	as of	1				Death					-	1	no	of
REGISTRATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.		intants under I Year of Age,	Personsaged 60 Years and upwards.	Small-pox:	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence	InquestCares	Deaths in Public Institutions	Uncertified Causes Death.
CENTRAL DISTRICTS.  George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 2,151	19 3	1 3 1	1.1.	1 1	1 1 1	111	-			-	111	7	1 1 1	111	1 1 1	1	1.1.1
Martiu-in-the-Fields HHN. & C. and WHH N. and Union Workhouse, Edmonton	13,077 11,839 †1,037	5	9 7 1	2 1 -	.2 	1 1 1	1 -			171 171	-	-	1 1 1	1 -	1	1 -	7 4 1	111
James Clerkenwell - N. Iswell-street - N. Iswell-street - N. Iswell-street - N. Iswell-street - N. Isbury - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	10 3 26 8 31 5 -	11 4 8 2 8 2 -	1111	31 31 - 1	1111111	ī - -		1111111	1 -				1111111	1	1	811811	1 4 1 1 1 1 1 1 1
Botolph $H$ N. & E. ipplegate N. & E. Sepulchre $WH$ N. hallows Barking N. ad Street $H$ N. by of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	2 1 4 - -	1 2 13 1 - -	1	1 5 - -	11111	1111	-	-			-	-	11111	ī ī -	- 2 1 1 -	10	111111
EAST DISTRICTS.  oreditch South $Hl$ - E. & N. exton New Town $w$ - N. exton Old Town N. eggerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	12 19 22 34	6 11 7 27	3 3 6 7	1417	1111	1			1.		-	-	1111	112	1 2 1 4	1 6 - 13	
thnal Green North $H$ - E. thnal Green South - E. thnal Green East $WHl$ - E.	49,301 34,194 45,667	39 24 32	18 17 13	10 2	3 2 8	1 - 1	3 -	-	-	-			-	- 1	- 1	2 1 3	2 - 7	114
italfields E. & N. ile End New Town* $WH$ - E. oodman's Fields* E.	26,681 51,995 {	36 33 21	9 31 9	4 6 2	3 1 3		1	-	- 1 -	1		-	-		- 7 -	4 8 -	26 -	
George's North E. John, St. George East W E.	39,576 7,930	32 2	4 7	1	4		1	-	-	-	-	-	-	-	-	 	-6	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	6 10 26	4 6 6	1 1 2	-	- - -	-	1	1	1 -	-	-		- 1	-	2	3 -	
ile End Old Town West H E. ile End Old Town East } - E. WWww	} 111,060	{ 66 40	11 32	5 7	15 15	-	-	-		-	-	ī		-	1.2	3 3	10	-
ow l - E.		32 68 42	11 50 16	4 5 2	2 19 4	1 1 1	1-	-			-	-			182	1113	1 31 1	1 1 1

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHERA, VIOLENCE, &c., registered in eac SUB-DISTRICT during the Week ending Saturday, 15th April, 1899—continued.

			The same of the sa				The	DEAT	'H8 re	gister	ed du	ring t	he W	eek i	nelud	е		
	Enume-			Deat	hsof				I	eaths	fron	1					tions	of
REGISTRATION SUB-DISTRICTS	rated Population, 1896.	TotalBIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhosa.	Violence.	InquestCases.	Deaths in Public Institutions	Uncertified Causes
SOUTH DISTRICTS.																		
Christchurch Southwark         W HL.&S.           St. Savlour Southwark         -         S.           Kent-road         -         -         S. & L.           Borough-road         WH         -         S. & L.           London-road         HL         -         L. & S.           Trinity         Nowington         -         S. & L.           St. Peter         Walworth         W         S. & I.           St. Mary         Newington         -         L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 9 16 13 15 32 41 20	3 4 4 16 6 4 21 10	- 383231	1 1 - 8 4	13 11 1 1 1 1	1			- 1 - 5 1 1 2 2	1111111	111111	1111111	1111111	1 1 1 1 1	1 1 1 1	9 2 1	
St. Olave $WH$ 8. Bermondsey $W$ 8. Rotnerhithe $WwH$ - 8. & K.	11,731 85,475 40,379	5 66 20	9 34 25	1 9 1	3 6 8		1 1 1	ī -	-	1	1 1 1	1 -		111	2 - 1	2 7 1	8 -	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	23 13 32 50 20 54 18	6 18 19 17 14 21 6	3 3 2 11 2 3	2256552	111111	11111	1	1 1 1 1 20 1	1 2 -		1	111111	1111111	131	2 5 3 - 1 1 -	13 9 2 - 4	This is
East Battersea S. West Battersea	71,730 93,385 46,953 58,101 20,566 61,644	64 64 29 40 12 41	23 30 16 18 5 17	12 9 3 5 1 2	3945 18		11111	11111	- 1 - -	1 2 -	11111			111111	- 2 1 2 1	1 4 1 3 2 1	81	1
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 49 69 46	2 42 29 22	- 5 6 8	1 20 6 4		31	111	-		1111	-		1 1 1 2	1 1 3	1 2 4	31	1101
Deptford North K. Deptford Central w K. Deptford South K. Freenwich West H K. Freenwich East WH K.	36,152 45,441 33,402 23,012 37,767	30 39 13 8 22	10 10 12 3 21	: 2 2 1 -	53528	1 1 1 1 1	1 - 2	ī - -	1111	2 - 1		111711			2	2 2	1 - 8	1 1
Eltham $wH$ K, Lee $H$ K. Lewisham $WwH$ K. Lydenham $H$ L.	5,911 24,222 38,139 37,601	$\frac{4}{9}$	4 4 17 7	- 2 1	1 6 3	-	1,111		1 4			- 1 -		1 1 1 1		1111	1 11	1111
Tharlton wHH - K.  Voolwich Dockyard - K.  Voolwich Arsenal HHHHH - K.  lumstead West H - K.  lumstead East WH - K.	15,928 19,355 21,959 16,714 42,538	16 8 15 16 33	4 4 6 6 9	1 - 2 - 4	- 2 - 2		11111	1111	1	11111	11111	1 - 1	11111		- 1	- - 1	3 - 1 - 2	111-
Sanstead Asylum			8 11 2 - 2 5		2 5 1	111111	111111	1111411			111111			111111	1	1	8 11 - 2 - 2	
olnev Hatch Asylum  E. Hospital  Vinchmore Hill Hospital  eavesden Asylum  laybury Asylum  -		1111	5 - 6 9	1111	3 - 222	1 1 1 1	1111		1 1 1 1 1						- - 1	1	25 - 69	

BLE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 15th April, 1899.

end	ling Saturday, 15th April,	1899.	-		1			The	DEAG	HS P	egister	red in	the	Week	inclu	de		-
						Deatl	1801	TUG	J ti A T		eaths			.,		1	1	- 1
egis- ation strict and iub- strict um-	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
LON	DON-OUTER RING -	368,749	1,422,063	1172	477	99	148	_	.11	.2	12	17	_1_	5	12	27	51	4
0:1 2	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	15 7	3 3	-	2 2	1 1	-	-	-	-	 	1	-	1	ĩ	
37:1	Godstone, part of* W -	2,754	1,598	-	-	-		~		-	-		-		-	-	_	1
88:1	Croydon WwHHH	20,851 11,697	128,699 23,072	78 16	45 9	6 2	18	-	-	.1	1	3	-	-	2 -	5	5	-
39:1 3 4 5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	25,777 33,566 12,178 11,080 18,252	20 25 4 6 6	9 22 1 4 .7	3 1 1 3	5 7 2 2		1 1 1 1		1	- - 1	1 7 7 1 1	1	1	2 -	3	1111
40:1	Richmond WH	2,160 2,823	25,389 16,159	11 12	12 4	1	7 2	-		-		ī	-	-	-	1 -	-	-
41:1	Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	10 17 18	8-43	3 -	3 4 2	-	-	-	-		1 -	-	-	.1	-	-
42:1 2	Bexley HHH Dartford WH, part of * -	12,540	30,590	_22	11	- 2	-		1	-	=	=	-	-	1	1	1	-
24:1 <sub>2</sub>	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	14 12	11	1	5	-	-	-	ī	ī	-	-	7	-	-	ī
$25:1$ $\frac{2}{3}$	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	5 9 8	3 1 3	1	1	-	-	-	-	-	-	-	- 1	ī	-	-
26:1 2 3 4 5	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	19 8 29 19 42	13 3 6 6 13	1 2 2 2 1	$\frac{1}{2}$		1 - - -		1	1111	1 1 1 1	1 1		1111	7 - 1	1111
27:1 $2$ $3$ $4$	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	8 1 66 14	10 3 18 4	1 2 1	5 2		1 - 1		1 -	1 -			1 -	2 -	1 1	1111
$28:1 \\ \frac{2}{3}$	South Mimms HH Barnet WHH Finehley HHH	31,077 4,688		11 13	3 3 11	- 414	- 1	-	1	-	-	1	-	, -	-	-	-	-
29:1 2 3 4 5 6	Hornsey HH Tottenham HH Edmonton Www - Enfield WWHH Cheshunt H	3,039 4,642 7,489 12,602 11,017 8,480	31,536 6,066	32 80 39 17 4 5	13 29 10 8		7 4 4		1	1	-	1	-		1 1	1 3 2 1 -	1 2 1	1 - 1
35:1	Hatfield, part of * W-	3,306			-		-   -	-	-	-	-			-	-		_	_
137 : 1 2	Bushey H Watford WH, part of*	9,331		1 "	3 1		$\begin{bmatrix} 1 & -1 \\ -1 & 1 \end{bmatrix}$	1	-		-	-	-	-	-	-	1	1
186:1 2 3 4 5 6 7 187:1	Stratford H Plaistow WHHH - Canning Town H - Forest Gate w - East Ham wHH - Leyton WWWH - Walthamstow HHL - Chigwell, part of * HHHH Epping WH, part of * -	4,706 3,266 4,334 6,501 11,779	53,511 32,713 70,188 57,330	29 66 67 42 59 68 63 1	7 22 23 14 19 27 18		1 2 4 5 8 4 6 5 3 3 3 3 5 5 6 6 6 6 6 6 6 6 6 6 6 6	-	- 4 - 2 - 2 - 1	-		1 1	-	-	11 - 1	1	131111111111111111111111111111111111111	-
189: 1	Romford, part of * WH	- 6,550 - 8,493	$3 \mid 10,913$	3 17	1 4	5	1   -	2 .							-			-
3	Hford Barking Town, H Middlesex County Asylum Wandsworth. London Co. Lunatic Asy Cane Hill.	.,		,		1	- 1		-				-					1 -

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst and Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst in sub-district, except the parish of Esher (pop. 3,977); 135: 1, the parish of Northaw in Hatfleld sub-district; 187: 1, Chisgwell sub-district, except the parish of Theydon Bois and part of the parish of Eshing (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for (pop. 1,079); 189: 1, the parish of Dagennam in Romford sub-district also deaths in Workhou

SEE VILLEBERY ENDMRS DURS DODGE BOOKS INVIII SEEDING GOLVEL

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 15th April, 1899.

. 1		}	ANNUA	L RATE			The DE	ATH	s regi	stere	l in th	e We	ek inc	lude		
On or comments	Area	Population estimated		TALITY 0 living.	DEATHS	Deat	ths of				Deatl	s from	n			blic
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15,	16
GREATER LONDON	443,421	6,528,434	16.8	1.4	2101	419	612	-	45	8	32	71	15	9	95	56
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	18 6 12 6	1.5 1.3	1624 477	320 99	464 148	-	34 11	6	20 12	54 17	14	<b>4</b> . 5	83- 12	50

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY IN EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

	POPULATION	DATE		:		ANNUAL	DE	ATHS	FROM	M PRI	SES.	L ZYM	OTI
CITIES	(enumerated	OF RETUR	RN.	BIRTHS.	DEATHS.	DEATH- RATE	Small-pox,	es.	et.	Diphtheria	Whooping-	e.	ceal
	or estimated).	Week end	ing	Exclusive	of Stillborn	per 1000 living.	all-I	Measles.	Scarlet Fever.	hth	doo	Fever.	Diarrheal
							Smg	M	100 F4	Dip	Whi	1	Dia
EDINBURGH -	298,927	April	15	165	103	18:0		2	2	_	3	_	
GLASGOW	733,903	,,	15	502	259	18.4	-	8	3	: 2	3	1	
DUBLIN	349,594	, ,,	15	252	224	33.4	-	-		. 2	4	4	-
CALCUTTA	466,460	January	28	_	- 1	_		-	_		-	~	-
BOMBAY	821,764	March	21	174	2358	149.2	10	140	?	7	?	1290†	12
MADRAS	452,518	,,	3	306	320	36.7	2	7	?	? .	.5	47	7
PARIS	2,511,629	April	8	1177	1311	27.1	-	36	5	8*	8	7	4
BRUSSELS	551,011	, ,,	8	241	180	17.0	-	5	=	. 2*	1	2	1
AMSTERDAM ~	512,758	,,	1	313	172	17:4	-	-	-	3	. 1		-
ROTTERDAM -	311,301	199	1	238	144	24.1	-	-		2	. 4	3	-
THE HAGUE -	196,325	,,,	1	104	82	21.4	-	1	1	-	-	-	-
COPENHAGEN -	345,000	12	8	175	133	20.1	-	3	4	1	-	1	4
STOCKHOLM -	283,550	99 <sup>11</sup>	1	127	129	23.7	-	7	2	2*	, 2	-	1
CHRISTIANIA -	2 3,337	30	8	128	94	24.0	-	_	1	-	2	-	
ST. PETERSBURG	1,132,677	99"	1	667	567	26.1	3	13	9	16	4	30	46
Moscow	988,610	**	1	_	489	25.8	3	13	6	5	1	. 2	4(
BERLIN	1,805,054	March	25	873	655	18.8	-	.8	. 9	12	13	-	24
HAMBURG DRESDEN	675,351 389,300	April February	8 18	305	241 158	18.6	-	-	-	3*	4	1	-
BRESLAU	406,012	April	18	30.)	188	21.1	_	1	1	4* 1	2	-	10
MUNICH	445,000	. "	8	-	228	26.6	_	_	1		3	_	35
VIENNA	1,606,629	12	8	1121	799	25:3	_	19	6	12*	4	3	44
PRAGUE	380,497	99° .	1	200	215	29.4		6	-	3		2	90
BUDA-PESTH -	666,722	23	.1	473	325	25.3	-	10	2	3		6	8
TRIESTE	165,913	March	25	114	97	30.4	-	-	3.	2*		3	-
ROME	500,610	22	25	250	193	20.1	-	-	-	1	4	2	5
TURIN (10 days)	344,203	~,,	20	-		-	-	-	-	-	-	-	-
VENICE	169,883	April	1	60	122	37:4	-	9	-	1*	2	1	6
CAIRO	570,062	February	4	487	356	32.2	1	-	-	- 5*	-	10	68
ALEXANDRIA -	319,766	. 99	4	303	218	35.2	-	2	-	2*	-	-	41
NEW YORK (including)	3,550,053	March	25	1463	1289	19:0	_	11	21	25	. 9		14
BROOKLYN) ) PHILADELPHIA-	1,266,832		25	1	531			11				3	
The state of the s	2,200,002	39	20	_	531	21.9	-	-	2	21	3	39	4

<sup>\*</sup> Including deaths from croup. † Including 1128 deaths from plague, ‡ Including 7 deaths from cholera.

								211	010	orou	gica		JU86.	TU	airo	118.							198
	Ozone			5.0 	8.0	0.0	10	3.0	0.5	8.0	6.0	56		sea ;	balb bulb	years the	The The plean	tions ment	and eter,	eter.	nent,	oth; the	
ina	whose receiving	surfaceis 5inches above the Ground.	in.	0.12	0.33	0.04	0.00	0.58	0.30	0.15	Sum 1.27	25	;	of the	The means wet	wenty y 1868 for momet	mn 8). om the r rical Ta	observa 1 mover ling 1875	higher," lermom	lectrom	Instrun of the w	a the I	
	on's.	Departure from Average of 16 Years,	Miles.	+ 74	+556	92 +	- 54	+ 46	+ 43	- 73	Sum +312	24		ean leve	and th	ng the tending	air (coll uced fre ygromet	nof the rizonta ears end	icates" of the tl	ering Eak; m.	inshine	P.M. 0	
D 44.	Robins	Horizontal Movement of the Air on each Day.	Miles.	364	212	344	234	334	332	212	Sum 2340	23	nidnight	ve the m	M., and 9h mometer	ade duri y years e le dry bu	re of the yare ded	discussion hat of ho r the 16 y	lat + ind dexerror	elf-regist	Stokes Su lay.	n. by 4h, to 28.70 ir	
	t.	Mean of 24 hourly obs.	lbs.	0.3	8.0	₹.0	0.1	0.4	0.5	0.0	:	22	tht to 1	set abo	3h. F.1 ther	of th	or the peratr imidit by Gla	roma,	aind the	on's segative	pbell-feach cach cach	29.40 i	•
	are Foo		lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig	s 159 fe	noon;	ic reco	of tem of tem e of hu	rived f g 1890 ic recc	tedfor	Phoms N. ne	e Cam ine on	sed to	
	Presi				8.8	15.3	3.5	5.2	67	1.3	:	30	from 1	neteri	A.M.;	graph luring	e reac value degre ermon	hat de sendir ometr	e born	from ive;	om th sunsh	lecreane IIth	
Osler's.	irection.	P.M.		WSW. SW.	WSW. NNW.	N., NNW.	SW. SSW.	SSE, SE	W. & WSW.	W., WNW.	able	18	ivil day, or	of the baron	taken at 9h. arometer, tl	of the photo leter, and corrected m	mean or the mean daily erature and wet bulbth	of the air ist the 50 years of the anem	e. in 17 arenot	vis derived e:P. posit	3, derived fr n of bright neter increa	the 9th; chi P.M. on the	
	General D	A.M.		WNW. W.	WSW.						Vari	1.8	pply to the	the cistern	are usually gs of the b	discussion r the baron With the	forming the room to point temp	emperature wich during a discussion	theaverage to the column of th	f Electricity mployed ar	in column 28 gate duratio	9h. A.M. on 71 in. by 11	
	Of the Earth	3 feet below the Surface.	0	46.50	46.19	46.30	46.33	46.04	45.84	45.70	46.13	17	esults a	eightof	vations	from a 1873 for meters.	meters, aily dev	verage r Green ir from	ang co	ecord o mbols e stand 1	umbers te aggre	in, by	
	cion.	Lowest on the Grass.	0	29.4	9.86	31.5	28.0	32.2	39.0	37.5	33.7	16	Ther	The h	Obser the eye	deduced ending thermo	thermon mean da daily ve	made ar	The v	The range of the The Sy S. sitrong	Then show th	to 29.77 increase	,
0	Radia	Highest in Sun's Rays.	0	101.4	106.3	97-2	1.201	83.3	64.3	102.9	94.7	15			P.M.;		tially full	st in	ning;				-
Degree	or Hu- midity (Satu-	ration squals 100).		92	177	82	72	97	98	11	- 08	14	Š.		ll 3h. wards	I. A.M. I.; ove wards.	snow	ur fro	nt sho	ain.	in till 1.		
	-		0	0.7	1.0	50.3	2.0	0.0	7.0	6.0	1.0	13	MARE		ıdy ti n after	till 111 4h. P.3 e after	slight ards.	. Hog	idy in freque	luent r	tent ra 3h. 45n		
Dew Poi	aperatu	Great- est.	0	14.0	14.3	15.3	21.0	6.0	8:2	13.1	13.2	12	L RE		ly clor ent rai	wery ly till f.; fin	n in n ional afterw	cloudy lo in fo	ly clor with	t; frec	; frequent at		ı
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3	· i	Mean daily value.	0	2.97	0.19	40.5	41.3	42.0	45.0	44.8	43.9	00	n above orizon, hours.		13.4	13.4	13.5	13.6	13.2	13.7	13.8	3um 95.1	29
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		Low- est	0	33.3	45.8	35.5	31.2	37.1	40.3	40.0	37-9	9	Regist Sunsh in ho					<u></u>	0	5	51	Sur 21:6	28
		High-	0	52.6	61.3	48.5	53.8	48.2	48.0	53.1	52.5	2	r. 1 of	-	P.M.; after-	P.M.; N. till after-	N. till	rally;	z :	P. till erally	N. till after-		
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1899.

### OFFICIAL COPY.

## WEEKLY RETURN

#### IN LONDON DEATHS BIRTHS AND

AND IN

### THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, APRIL 22. [Price  $1\frac{1}{2}d$ . No. 16. 1899. Vol. LX.]

> General Register Office, Somerset House, April 24th, 1899.

### THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 18:3 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

		Weeks	ending	g	Ī			V	Veeks	ending	g*
Towns.	Apr.	Apr. 8.	Apr. 15.	Apr. 22.		Towns.		Apr.	Apr. 8.	Apr. 15.	Apr. 22,
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	24·9 28·8 26·6 23·8 21·4	19.9 23.7 25.8 16.1 20.5 27.5 19.2 28.1 11.8 21.2 24.5 16.6 26.7 21.7 22.9	24·0 18·1 19·9 17·0 27·1 17·2 20·3 11·2 14·3 19·1 21·5 19·2 21·7 19·1	15·8 20·8 21·6 20·9 17·2 22·0 18·2 11·8 15·1 16·7 16·1 16·0	TOTAL ACTION CONTRACTOR OF THE PROPERTY OF THE	Leicester Liverpool London - Manchester Newcastle-or Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverham		28·6 22·0 31·8 22·6 23·9 22·7 30·4	25·7 20·8 25·9 22·1 20·7 20·3 24·9 24·9 21·1 24·0 119·1 16·3	17·3 24·7 18·6 28·3 17·3 18·0 18·5 24·6 19·7 18·0 22·6 18·1 3 13·0 26·4	23·4 17·2 22·4 22·6 13·4 18·5 20·1 21·8 15·0 18·2 18·6 17·8 21·1 13·1

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.4 in West Ham, 1.9 in Bolton and in Salford, and 2.9 in Manchester; from whooping-cough, 1.0 in Oldham and 2.7 in Birkenhead; from "fever" 1.4 in Birkenhead; and from diarrhæa, 1.1 in Newcastle-on-Tyne and 1.5 in Blackburn. In none of the thirty-three towns did the death-rate from scarlet fever reach 1.0 per 1000. The 64 deaths from diphtheria included 29 in London, 5 in Sheffield, 4 in Leeds, 4 in Blackburn, 4 in West Ham, 3 in Liverpool, and 3 in Portsmouth. No death from small-pox was registered in any of the thirty-three towns.

LONDON.

In LONDON† 2759 BIRTHS and 1499 DEATHS were registered. for increase of population, the births were 3 above, and the deaths 193

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum itsuated outside Registration London, but excluding deaths of persons not belonging to London occurring into London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong. Q

below, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 22·0, 20·8, and 18·6 in the preceding three weeks, further fell last week to 17·2. During the four weeks ending on Saturday last the death-rate averaged 19·7 per 1000, which is equal to the mean rate in the corresponding periods of the ten years 1889–98.

The 1499 deaths included 51 from measles, 7 from scarlet fever, 29 from diphtheria, 47 from whooping-cough, 3 from enteric fever, 7 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 144 deaths were referred to these diseases, being 84 below the corrected average

weekly number.

The deaths from measles, which had been 37, 29, and 34 in the preceding three weeks, further rose last week to 51, but were 35 below the corrected average; 9 cases belonged to Greenwich, 6 to Lambeth, 4 to Hammersmith, and 4 to Lewisham sanitary areas. The deaths from scarlet fever, which had been 4, 8, and 6 in the preceding three weeks, were 7 last week, the corrected average being 15; 2 cases belonged to Poplar sanitary area. The deaths from diphtheria, which had been 31, 34, and 20 in the preceding three weeks, rose again last week to 29, but were 6 below the corrected average; 4 cases belonged to Hammersmith, 3 to Newington, 3 to Wandsworth, and 3 to Camberwell sanitary areas. The deaths from whoopingcough, which had been 57, 58, and 54 in the preceding three weeks, further fell last week to 47, and were 22 below the corrected average; 10 cases belonged to Islington, and 6 to Kensington sanitary areas. The fatal cases of enteric fever, which had been 9, 6, and 14 in the preceding three weeks, fell again last week to 3, the corrected average being 7. The deaths from diarrhæa, which had been 7, 11, and 4 in the preceding three weeks, rose again last week to 7, but were 7 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 505, 470, and 343 in the preceding three weeks, further fell last week to 277, and were 94 below the corrected average. The deaths attributed directly to influenza numbered 39, having been 102, 84, and 78 in the preceding three weeks.

Different forms of violence caused 65 deaths, concerning all but 1 of which inquests were held. Of these 65 deaths, 18 were cases of suicide, while the remaining 47 were attributed to accident or negligence. Five of these were referred to vehicles in the streets, 4 to drowning, and 7 (including 6 of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3 cases of small-pox, 2144 cases of scarlet fever, 1034 of diphtheria, and 125 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 189 cases, against 167, 150, and 163; of diphtheria, 108 cases, against 121, 103, and 108; and of enteric fever, 16 cases, against 13, 13, and 16.

GREATER LONDON.

In Greater London 3933 births and 2036 deaths were registered, corresponding to annual rates of 314 and 16·3 per 1000 of the estimated population. In the Outer Ring 17 deaths from measles, 3 from scarlet fever, 12 from diphtheria, 11 from whooping-cough, 1 from "fever," and 9 from diarrhæa were registered. Eleven deaths from measles, and 7 from diphtheria occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.85 inches, and that of the Thermometer 43°.4; the latter being 4°.7 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 39 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 26.5 hours; the measured rainfall amounted to 0.43 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

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	Population	to the middle of the Year 1899,*		1.	11,404,408	4,546,752	300,241	127,759	123,226	190,741	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	150 779	113,081	135,154	117,622	103,464	97,721	250,241	967 769	934 970	145,613	106,552	228,625	
	CITIES	AND BOROUGHS.		Cois.	33 TOWNS - 1	LONDON	WEST HAM	CROYDON		PORTSMOUTH	BRISTOL	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH	LEICESTER	NOTTINGHAM -	DERBY	BIRKENHEAD -	LIVERPOOL	BOLTON	SATEODD	OLDHAM	BURNLEY	BLACKBURN	PRESTON -	HUDDERSFIELD -	DEADEON	1	-		SUNDERLAND -	GATESHEAD	NEWCASTLE -	

Table 2. LONDON.—Births and Deaths Registered in the Sixteenth Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2488	2735	2577	2494	2660-	2457	2677	2836	2499	<b>2</b> 769	2755*7	<b>2</b> 759
Males	1301	1358	1308	1311	1357	1249	1355	1430	1255	1425	1404.5	1388
Females -	1187	1377	1269	1183	1303	1208	1322	1406	1244	1344	1351.2	1371
TOTAL Deaths -  Males Females	1426	1611	1809	1715	1730	1509	1535	1653	1500	1546	1692*2	1499
	708	816	928	876	872	787	854	900	790	805	877*0	789
	718	795	881	839	858	722	731	753	710	.741	815*2	710

<sup>\*</sup>The numbers in this column are the average weekly numbers in the sixteenth week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

*			*	-			IMPER V						
	Jan. 28.	Feb.	Feb. 11.	Feb. 18.	Feb. 25.	Mar.	Mar.	Mar. 18.	Mar. 25.	Apr.	Apr.	Apr. 15.	Apr. 22.
TOTAL Births	2686	<b>26</b> 96	2802	2862	2752	2676	2627	2613	2480	2609	2554	2875	2759
TOTAL Deaths	1381	1690	1991	1686	1875	1925	1954	2099	2025	1922	<b>1</b> 816	1624	1499
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ Bold of the position of the positi$	284 168 87 167 298 305 72	330 191 78 224 358 417 92	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89
Deaths from— Small pox	21 12 31 36 - 15 - 8	22 8 32 50 1 10	21 7 49 45 - 20 - 15	27 4 40 38 - 16 - 11	- 32 7 29 55 1 13 - 10	36 7 48 64 - 9	38 9 36 55 - 9 - 13	35 7 45 73 7	33 4 37 90 - 4 - 11	37 4 31 57 - 9 1 7	29 8 34 58 - 6 - 11	34 6 20 54 - 14 - 4	51 7 29 47 - 3 - 7
All the above Diseases -	123	133	157	136	147	176	160	175	179	146	146	133	144
Dis. of Respiratory System—Phthisis—————————————————————————————————	266 144 121 80 161 462	348 189 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	38·2 43·2 33·7	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 39.9	40.7 48.2 34.0	38.0 47.7 28.3	40.2 49.4 31.1	42.5 52.4 33.8	32*2 40*9 24*8	50.1 59.0 43.2	48.9 56.1 44.0	43·9 52·2 37·2	43·4 52·3 34·7
Humidity of the Air	80	83	83	82	81	79	73	87	68	77	77	80	75
Rain-fall(in inches)	0.08	0.18	1.19	0.72	0.02	0.01	0.07	0.00	0.11	0.37	0.49	1.27	0.43
Registered Sunshine (in hours)	35.8	7.4	10.2	22.0	58.9	34.1	43.7	19.7	31.3	19.5	25.3	21.9	26.5
CASES OF INFECT	ious S	ICKNI	ess in	Hosp				ID OF	EACH	WEE	K.		
Small-pox	2679 1368 249	2665 1377 229	2642 1378 228	2587 1403 231	2575 1394 215	$\begin{bmatrix} 2\\2584\\1374\\207 \end{bmatrix}$	2 2040 1313 193	2437 1261 183	2355 1200 173	$\begin{bmatrix} 1\\2322\\1165\\148 \end{bmatrix}$	1 2235 1126 139	$\begin{bmatrix} 3 \\ 2126 \\ 1068 \\ 129 \end{bmatrix}$	3 2144 1034 125
# ITTL	e Met	711		,	2.7		77	***				-	· ·

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portismouth; Arthur Newsholme, Esq., M.D., Brighton: A. W., Preston, Esq., F.R.Met, Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Eiq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.(.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

TABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the SIXTEENTH Week of the Year 1899.

_								f the Year 1899.								
1005	Satu	n the	Wee 22nd	k en	ding	99.	1		the		In	the	Wee 2211	k end	ling ril 18	399.
-   -	D	eath:	of F	erso:	nso	Ē					De	aths	of P	erson ges	as of	
1859-96			r	er 40.	er 60°	er 80.	and	CAUSES OF DEATH	Average of 11889-90	œ	τ	nder 20.		ler 40.	der 60.	der 80.
		1-5,	5-20.	20 and und	40 and und	and und	years		Corrected 16th Wee	ALL AGE	0-1*	1-5,	5-20.	20 and un	40 and un	60 and under 80
2.2 149	9 317	186	82	200	303	322	89	Diseases of Circulatory }	145.5	140	1	2	8	24	42	54
3:0 1:5 7	- 6			111111	111111	11111		Croup	3·9 188·8 143·5 7·9 26·5	1 146 105 3 22	34 30 1	1 11 24 - 2	1 1 00 1 1	2 15 1	29 21 1 9	53 11 - 9
5·1   29 )·2   - /·4   3 -		2 16	4	6 - 1 - 1	14 - 1 - 1 1	13 2	2	Dentition	11.6 2.1 12.3 6.1 23.6 28.8	12 2 20 3 17 33	7 1 8 - 1 11	513 - 3	- 4 - 1	- 2 1 2 6	- 2 - 10 7	- 1 1 4 4
)·2   - - - - )·3   -				-				Diseases of Lymphatic System & of Ductless	2.1	4	-	-	1	2	1	-
3·2   4 2·8   -		-	-	- 1	3	2 1	- 1 - 1	Diseases of Urinary }	46:3	53	-		2	10	16	21
).5		-	-	-	-	-		Diseases of Generative } System	5*8 4*9	6 6	1 st	2	1	5	3	3
).2			_	-	_	-		Diseases of Locomotive System	6.0	4	-	-	1	-	2	1
- /4	-1	-	-	- 3	7	6	-	Diseases of Integumen- tary System-	4.9	7	2	1	-	2	-	1
1.8 4.0 6.7 7.4 0.2 8.0 8.9 0.5	2 - 23 - 37 - 10 0 6	2 7 4 4	5 3 8 5 7 4 -	76	1 27 1 52 1 52	- 1 1 31 - 13 1 6	1	VIOLENT DEATHS.‡  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions -	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1 5 1 2 - 6			- 1	- 1 - 1	- 2 - 3	111
3.8 7.4	$\begin{bmatrix} 0 & 1 \\ 6 & \end{bmatrix}$	0 -	-	-		- - 27	- - 41	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes -		4 7 1 20	-		- - 1	2	1 2	1 - - 3
6.6	$\begin{array}{c c} 0 & \overline{2} \\ 7 & 2 \end{array}$	4	3 -	-	5 2	26 - 17	1 - 5	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.3 10.2	18				- 6 -	-7	- - 5 -
<b>3</b> •5	3	1	1 1	-	-	-	-	OTHER CAUSES -	50*4	42	41	-	-	-	1	-
	2-2 148 2-2 148 2-2 148 2-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1-3 1	Section   Sect	Death to   Death to	Deaths of F the A	Deaths of Person the Ages	Deaths of Persons of the Ages   20   20   20   20   20   20   20   2	Deaths of Persons of the Ages   200   20   20   20   20   20   20	Deaths of Persons of the Ages   Deaths of Persons	Deaths of Persons of the Ages   Diseases of Circulatory   System   Diseases of Respiratory System   Diseases of Respiratory System   Diseases of Respiratory System   Diseases of Lymphatic   System   Diseases of Lymphatic   System   Diseases of Ductless   Glands   Diseases of Lymphatic   System   Diseases of Circulatory   System   Diseases of Lymphatic   System   Diseases of Lymphatic   System   Diseases of Circulatory   System   Diseases of Lymphatic   System   Diseases of Lymphatic   System   Diseases of Circulatory   System   Diseases of Lymphatic   System   Diseases of Circulatory   System   Diseases of Circulatory   System   Diseases of Lymphatic   System   Diseases of Circulatory   System   Diseases of Circulatory   System   Diseases of Lymphatic   System   Diseases of Condition   Diseases   Diseases of Condition   Diseases   Disea	Deaths of Persons of the Ages   Same and the Ages   Diseases of Circulatory   System   Syst	Deaths of Persons of the Ages	Desthe of Persons of the Ages   Diseases of Diseases of Circulatory   1455   140   1	Deaths of Persons of the Ages   Deaths   Death	Deaths of Persons of the Ages   Death of Persons of	Deaths of Persons of the Ages   CAUSES OF DEATH   Section   Sect	Deaths of Persons of the Ages   Deaths of the

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5-213 per cent. for increase

Q 2

The numbers in this column are the average weekly deaths for the ten you as face of which are so certified by registered, fonly those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered nedical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the ause of death is not certified by a registered practitioner, the case is returned under the heading "no statement." † The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of coldent, murder, manslaughter or suicide. All such causes are classed under "accident."

CABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 22nd April, 1899.

SUB-DISTRICT during the We	eek endin	g Satı	irday,	22r	id A	pril	, 189	99.										
							The	DEAT	'HS re	gister	ed di	iring	the W	eek i	neluo	le		
	Enume-			Dea	ths of					Death	as fro	m					tions,	of
REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-ccugh.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence,	Inquest Cases.	Peathsin Publicanetituta	Uncertified Causes Death.
LONDON -	4,411,710	2759	1499	317	411	-	51	7	29	47	-	3	-	7	65	152	472	17
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	429 634 106 583 1007	271 364 86 263 490 25	52 70 17 64 113	84 107 17 65 132 6		8 9 2 9 23 -	3 3 - 1	7 4 - 1 17 -	10 14 3 6 14	-	1.1.1.80.1	-	- 2 4	13 18 1 16 17 -	27 45 7 42 31	83 98 39 91 136 25	1 - 16
WEST DISTRICTS.  St. Mary Paddington $\}$ G. & W. W. John Paddington $H - G$ .  Kensington Town $WW - G$ . & C. Brompton $HH - G$ .	90,996 33,510 122,164	47 6 73 13	36 17 56 11	7 - 12 1	17 6 16 3			1 1 1	1 1 1	- - 51	1 1 1		-	1 1 1	2 1 1	5 2 2	8 8 21	
Brompton $HH$ W. & C. North Hammersmith $H$ W. & G South Hammersmith $H$ W. & C. Fulham $W^{y_0}$ W. & C.	48,301 44,638 59,561 113,781	24 39 105	17 15 52	4 2 16	3 5 10	1 1 1	4 -	- 3	1 - 4	1 1 1		1 1 1		1 1,1 1	2 1 2	4 1 4	- 1 20	- - 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	21,450 42,057 33,139	19 16 16	17 6	1	8 4	1 1 1	1 1 1	-	.1 1 1	1 -	-	1 1	-	1 1 1	- 1 1	1 3 1	7	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	$\begin{array}{c} 4 \\ 26 \\ 18 \\ 4 \end{array}$	6 15 8 4	- 3 3	21521	1 1 1 1	1 2 1		1 -	1 1 1 1				1 1 1 1	1 1 -	1 3 -	6 5 - 3	
$\left\{ egin{array}{ll} \mathrm{St.JamesWestminster} \\ WHH \\ \mathrm{St.AnneSoho} & HHHHHHH - \mathrm{N.} \end{array} \right.$	23,050 12,048	14 5	4	1 -	3	1 1	- 1	1 1	1	-	-	· -	-		-	-	3	-
NORTH DISTRICTS.  All Souls Marylebone \ HHHHHHHHH \ \ HELDER \ HELDER \ HELDER \ HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	17 3 25 17 16	21 4 3 4 7	2 - 2 - 3	3 2 1 2 2	-		1111	1 1 1 1	- - - 1	1111			11111	2 1	6 1	7	1111
Hampstead WWHHHH } - N. & W.	75,449	40	25	3	13	-	-	-	-	-	-	-	-	-	1	2	5	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	37,341 26,757 29,426 32,161 16,669 98,410	21 11 26 34 9 55	9 19 11 11 18 24	4 3 - 3	2 6 2 4 7		1 1 1 1 1 - 1		1	1 1 -	1 1 1 1 1			1 1 1 1 1	1 2 - 2 - 2	3 1 4 1	13 4 3 12 9	11111
$ \left\{ \begin{array}{c} \text{Ipper Holloway} \\ WWWwHH \\ \text{slington South-west} \\ \text{slington South-east} \\ \text{Ighbury} \\ HH \\ - \\ - \\ \text{N}. \end{array} \right. $	98,273 107,365 66,549 64,577	64 61 43 33	48 36 20 16	6 10 4 4	12 11 4 5		2 - 1	-	-	2 4 2 2		1 1 1 1	-		2 1 1 2	2 4 2 4	23	1 1 1 1
toke Newington H N. Vorth Hackney E. & N. Jentral Hackney ww - E. & N. Jouth-west Hackney HHH E. & N. Jouth-east Hackney WwH E.& N.	33,485	$   \left\{     \begin{array}{c}       21 \\       18 \\       33 \\       47 \\       40     \end{array}   \right. $	10 18 21 15 24	3 4 3 7 5	4 8 2 1 9	-	3 -	- 3	- 3	1					- - 1	1 3 3 1 3	- 6 4 12	11111

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein amely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Districts han that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers are eceived. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signifies truer; E. East London; and K. the Kent Company.

See note † on first page of this Return.

The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and were 3-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each B-DISTRIOT during the Week ending Saturday 22nd April, 1899—continued.

B-District during the We	ook onan	ig Nati	uraay	22	ոս բ	rpri.	, 10	33-	-con	ovnu	eu.							
							т	he D	ATH:	8 regi	stered	ldurii	ng the	Wee	kins	lude		
	Enume-			Dea	thsoi	E				Deat	hs fro	m					ntions	cf
ISTRATION SUB-DISTRICTS	rated Population 1896.	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age,	Personsaged 60 Years	Small-pox.	Measles,	ScarletFever	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued	Diarrhosa	Violence	LiquestCaces	Deaths in Public Insti'ntions	Uncertified Causes
CENTRAL DISTRICTS.																		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	16,110 12,976 9,151	5 10 4	4 4 2	ī -	2 -		ī	-	-	-		3			- - -	- - 1	3 -	-
ti 1-in-the-Fields HHN.&C. WHH N. Union Workhouse, Edmonton	13,077 11,839 +1,037	1 2	3 9 2		1 - 2				-				-	1 1 1	1 -	1 2 -	3 7 2	-
n wHHHHHHH - N. es Clerkenwell - N. l Clerkenwell - N. l Clerkenwell - N. d- HHHL - N. ross-street - N. ry - N. n Union Workhouse, lam - Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	14 6 10 11 25 8 -	16 2 9 2 7 5 1	5 1 1 1	31211	111111	1			1 -	-	1111111		1.1.1.1.1.1.1		1	9 2 - 1	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	- 3 6 1 -	1 15 2 1	11811	- 2 - 1	11111		11111	11111		11111	11111		11111	1	1	11 - 1	
EAST DISTRICTS.  tch South $Hl$ - E. & N.  New Town $w$ - N.  Old Town - N.  ston $WH$ - N. & E.	17,975 29,575 27,645 47,163	7 12 17 40	5 9 9 17	3 1 2 3	1 2 3 6	1111								1	1	1221	- 6 - 9	IFFE
Green North H - E. Green South - E. I Green East WHl - E.	49,301 34,194 45,667	39 30 47	9 13 14	213 -	1 5	-	<u>-</u>	1 1 1		-	-	-	-	1	11	4	1	1.01
elds E.&N. d New Town* WH - E. n's Fields* E.	26,681 } 51,995 {	33 27 16	37 2	2 4 1	2 6 1		ī -	-	1	-	-	-	-	-	4	17-	29	
ge's North E. a, St. George East W E.	39,576 7,930	39 10	15 3	8 -	1	-	3	-	-	1	-	-	-	-	-	2	2	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	9 9 24	5 2 10	- 5	111	-	1 -	-	-	1 1	-	-		-	1 -	1 2	3 -	
d Old Town West H E. d Old Town East E.	111,060	{ 63 43	13 26	4 5	6 11	-	-	-	-	1	-	-		-	1	5	10	-
y wwwH E. WW E.	41,687 69,821 57,759	31 47 40	11 43 13	5 11 5	1 13 3		1 1 1	-	-	1		-	-	-	2 3 1	5 5 2	2   7   1	

i

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX ME SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered i SUB-DISTRICT during the Week ending Saturday, 22nd April, 1899—continued.

SUB-DISTRICT during the Wee	on chains	5 0000	iruay,	2211	u Aj	prir,	100	JC	.0700	70000						
							The	DEAT	HSre	gister	ed du	ring t	he W	eek i	nclud	е
for the second	Enume-			Deat	thsof				I	eaths	fron	ı 				
registration sub-districts	Popu- lation, 1896.	Total BIRTHS.	Total DEATHS,	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles,	Soarlet Fever.	Diphtheria	Whooping-cougl.,	Typhus.	Enteric (or Typhoid) Fever,	Simple Continued	Diarrhosa.	Violence.	InquestCases.
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S.	13,064	2	2		_	_	-	_	_	_	-			_		1
St. Saviour Southwark	12,301 22,879 16,083 21,316 28,723 62,045 30,171	17 20 13 18 40 33	3 7 4 7 6 13 6	1 3 1 1 1	1 1 1 2 2	1111111	1		111,111	1 1 1 -				1	111111	1
St. Olave $WH_{\tau}$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	9 65 21	16 25 14	$\begin{array}{c} 1 \\ 11 \\ 4 \end{array}$	- 7 5	1 - 1			1 -	-		-	-		1 1 -	3 3 -
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	30 13 32 37 18 29 17	7 15 33 10 12 19 6	4264242	1 16 2 4 6 3		- 24 -	111111	2 - 1 - 1 -	ī ī ī			111111	1111111	1 1 - 1 - 1 - 1 - 1	1 1 3 1 - 2 -
East Battersea S. West Battersea $WwH$ S. Clapham $H$ S. Wandsworth $WHHL$ S. Putney S. Streatham $WwwwL$ L.	71,730 93,385 46,953 58,101 20,566 61,644	57 49 27 39 13 34	11 34 14 15 2 15	572813	1 9 6 1 5	11111	11111	1,1-1,1-1	- 1- 1- i	1 1 1 - 1	\$- 	11111	TELLI	11111	1 3 - 1	2 1 - 1
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 44 55 48	33 19 10	1 8 4 5	10 7 1	1.1.1.1	- 1 1		-	2 -			-	1 -	21 -	- 2 1 -
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	19 29 12 15 22	7 18 8 5 24	3 4 - 2	್ಷ ಯಾಣ ಕಾರ	1111	1 7	11111	1 7 - -	1	1 1 1 1	1	11111	1	111	- 111
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 6 25 17	2 3 9 8	1 2 -	1 2 3	1111	- - 4	1	- 1 -	- 1 -		1111	1111	- -	1111	1111
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	9 8 18 9 31	6 10 7 6 18	- 1 1 1 4	1 2 2 9	1 1 1 1 1	1	1111	2	- - 1	11111	1	11111	11111	ī - 1	1
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum London County Asylum, Dartford Heath Heath			1 2 2 2 1 1 7 - 6 3	1	1 1 - - 2 - 1	11111111111	11111111111	1111111111	111111111111111111111111111111111111111				1111111111			11111 1 11111

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES IOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week inding Saturday, 22nd April, 1899.

n	ding Saturday, 22nd April,	1899.																—.
						-	. 1	The	DEA					Week	inclu	.de		_
t.	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enumerated Population, 1891.	BIRTHS.	DEATHS.	Infants under 1 and Year of Age.	Persons aged 60 F	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhosa.	Violence.	inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
10	NDON-OUTER RING -	368,749	1,422,063	1174	537	139	167	_	17	3	12	11	_1	9	22	42	77	8
12	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	20 11	6	ī	1	1 1	-	-	-	1	-	- -	-	2	3	-
ì	Godstone, part of* W -	2,754	1,598	5		-	-	-		-	-	-	\ <u>-</u>	۱	-	-	-	
1	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	93 14	47 11	13	20	-	-		1 -	2 -	-	1 -	2 -	5	8 -	
12345		3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	19 21 8 2 15	10 13 4 2 4	2 1 - 1	5 1 1 2	11111	11111	1	2	1	11111	1111	1111	ī ī	1 3 -	1111
1 2	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	18 8	12 5	3 -	6	-		ī	-	-		-	1 -	3	3	1 -
123	Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	17 10 18	918	1 1	6 - 5	-	- -	- 17	-			-	- 1	ī	- 3	
12	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	34 -	13	5 -	4 -	-	1	-	-	- -,	-	-	1 1		-	. 1
$\frac{1}{2}$	Sunbury w Staines WH	11,054 13,277	13,671 13,221	5 9	3	2	4 -	1.	-	-		_	-	ī	-	1 -	-	=
1 2 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	10 3 7	7 3 2	1 1 1	5 1 -		-	~		-	-	1 1 1	1, 1, 1		3	111
1 2 3 4 5	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	13 13 26 13 17	8 2 13 5 11	2 - 4 3 4	3 1 3 2 3	11111	-			1 -		1 -	1	- - 1 1	5	11111
1 2 3 4	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	7 1 83 6	34 9	- 9 2	10 1		-		2 -	- 1 1			2 -	3 -	- 2 4	1111
23	South Mimms HH Barnet WHH Finchley HHH	321,077 4,688	{ 6,367 14,152 25,820	$\begin{vmatrix} 4\\7\\14 \end{vmatrix}$	2 6 3	1 - 1	1 2 -	-	1	-	-	-		ī	- 1	- 1	-	-
123456	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	36 74 43 25 2	15 28 17 11 2 2	7 4 4 - 2	10 8 5 3		1 1 -	2					1	22	7	1
1	Hatfield, part of* W	3,306	582	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 2	Bushey H Watford WH, part of* -	9,331	7,737	4	3	-	3 -	-	-	1	-	-	-	-	1	1 -	-	
1 2 3 4 5 6 7 1 2	Stratford H Plaistow WHHH Canning Town H Forest Gate w East Ham wHH - Leyton WWWWH - Walthamstow HHL - Chigwell, purt of HHHH Epping WH, part of	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	40 66 51 39 55 63 73	15 27 21 23 23 47 21 2 1	6 12 7 9 8 11 6 2	1 3 3 7 1 17 6 -	11111111	5 1 3 2 -	111111111	3 1 1 1 1 1	1 1 1	1	1 - 3	3 - 3 2 2	3 4 1 5 2 -	1 3 2 - 24 - 1 1	1 2
1213	Romford, part of * WH - Ilford Barking Town, H Middlesex County Asylum, Wandsworth.	6,556 8,493 3,814 —	4,324 10,913 14,301 —	5 16 13 -	2 2 6 2	2 -	121			1 1/1 1					- 1 -	2	- 1.3	1 -
h	e parts of sub-districts include	d within	that non	ion of	the M	etror	olite	n Po	lice	Dist	rict	which	ch fo	rms	the	Oute	er Ri	ng

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring is follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst listrict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in leld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for tious Diseases belonging to the Outer Ring in 42: 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-districts.

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TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 22nd April, 1899.

								_					_		
			ANNUA	L RATE			The DE	HTAE	s regi	stere	l in th	ie We	ek inc	lude	
GREATER	Area	Population estimated	of Mor per 100	TALITY 0 living.	DEATHS	Dear	ths of				Deatl	ıs froi	n		
LONDON.	in Acres,	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	16.3	1.6	2036	456	578	_	68	10	41	58	4	16	87
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	17·2 14·1	1°7 1°4	1499 537	317 139	411 167	-	51 17	7 3	29 12	47 11	3 1	7 9	65 22

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

•		an	d i	in certain	FOREIGN	CITIES.							
	POPULATION					ANNUAL	DE	ATHS	FROI	M PRI DISEA	NCIPA SES.	L ZYM	0
CITIES. '\	(enumerated or estimated).	DATE OF RETURN Week endin	- 1	BIRTHS.	DEATHS. of Stillborn	DEATH- RATE	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	The same of the same of
EDINBURGH - GLASGOW DUBLIN	298,927 733,903 349,594	,,	22 22 22	141 502 210	99 272 202	17·3 19·3 30·1		3 11 -	2 1	- 2 2	1 6 3	5 2	
CALCUTTA BOMBAY MADRAS	466,460 821,764 452,518	March	28 28 10	166 322	2244 311	142·0 35·7	3	145 6	?	.l o.⊷ o.	?	1225† 37	
PARIS BRUSSELS	2,511,629 551,011		15 15	1136 249	1127 190	23·3 17·9	-	29 3	4	5* -	11 1	7 5	
AMSTERDAM - ROTTERDAM - THE HAGUE -	512,758 311,301 19 <del>6</del> ,325	93 93	8 8	270 215 108	179 116 77	18·1 19·4 20·1	-	1 - 1		1 2 1	5 1 -	1	
COPENHAGEN - STOCKHOLM - CHRISTIANIA -	345,000 283,550 293,337	29	15 8 15	261 140 154	119 127 64	18·0 23·3 16·4	-	6	3	2 <sup>*</sup> 7*	4 1:	-	1000
ST. PETERSBURG MOSCOW	1,132,677 988,610	27	8 8	758 -	574	26·4 26·9	5 5	15 8	6 7	17 11	5 1	24	
BERLIN HAMBURG DRESDEN	1,805,054 675,351 389,300	February	1 15 25	841 - -	715 211 162	20.6 16.2 21.6	-	1 - 2	13   -   -	7 1* 2*	11 4 3	2 -	-
BRESLAU MUNICH VIENNA	406,012	99	15 8	-	211 228	27·1 26·6	-	1 -	1	-	3	-	
PRAGUE BUDA-PESTH - TRIESTE	1,606,629 380,497 666,722 165,913	99 99 97	15 8 8 1	856 247 468	754 228 339	24·1 30·8 26·4	-	21 5 -	6 1 10 -	7* 3 3	8 1 1	8	
ROME TURIN (10 days) VENICE	500,610 344,203 169,883	" March April	1 20 8	248 - 75	193 - 104	20·1  -   31·9	-	9		4*	2 - 1	1 - 1	
CAIRO ALEXANDRIA -	570,062 319,766		11 11	- 1	-		-	-	-	-	-	-	
NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053 1,266,832	April "	1	-	504	20.7	-	000	3	14	1	43	
						. 1							

\* Including deaths from croup. † Including 1074 deaths from "plague." ‡ Including 5 deaths from cholera.

								M	ete	orow	gico	ii (	Joser	vati	ons.							207
		Son		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	Sea ;	bulb	the er is	nean bles.	nent	and eter,	eter.	reek	10.8h.	nean
collected	Gauge Whose	surfaceis 5inches above the Ground.	in.	0.02	0.00	0.00	0.00	00.0	0.38	0.00	Sum 0.43	25	rel of the sea;	e wet	868 for momet minir	m the rrical Ta	mover ing 1875	ermom	ectrom moder	of the vie 21st;	h., read 6.	.; and 1
		Depar- ture from Average of	Miles.	08 -	-129	-175	66 -	-115	08 -	-114	Sum -792	24	an leve	and thation of	nding July nding July ther and	sed fro	rizonta.	cates".	ak; m.	inning of the	for 10.7	30.250 in
	Robinson's.	Horizontal to Movement to of the Air on each Day.	Miles.	211	163	117	194	178	212	176	Sum 1251	23	nidnight. ve the me	f., and sn. mometer, 1e applica	y years e dry bu a dry bu	y are dedu isher's Hy	hat of hor the 16 ye	lat + indi dexerror	Thomson's self-registering Electrometer N. negative; w. weak; m. moderate of amphall-States Sanshine Instrument	lay. t the beg. by 4h, P.1	same col.)	0 in., read
	ne ne	an 34 urly nrly	lbs.	0.0	0.0	0.0	0.0	0.0	0.1	0.0	:	222	ht to retabo	sn. P. A ther s by tl	went of th	midit	and t	ind th thein	on's segative	each (8 in 9.68 in	week (s	7. 29.35
	Pressure on the	Least. 1	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0		21	idnig 159 fe to rec	bulby value	the tading	of hu	g 1890,	e in n edfor	N. ne	ne on 29.2	m for r	1. 24, fo
	Pressi	Great-	Ibs.	13	1.0	0.1	8.0	H	က္	1.0		20	rom neter is	A.M.; 1 te dry daily	grapul uring an re	degree	endin	born	from Tive; ]	sunshi sed fro	eek. und sun nd sun	4) Jan
	Osler's.			NNW. N. S.	WSW. SW.	N. NNE.	WSW. W.	WSW. W.	ESE. E.	NE. SSE.	ariable	16	ivil day, or joint the baromied to the re	taken at 9h. arometer, tl into mean	leter, and districted mean of the	erature and wet bulb the	the 50 years of the anem	24 it will be e. unl7arenoto	ris derived e:—P. posit	n of bright neter increase the 19th; de	end of the w "read 0'lh; read 1'lh; a	METER (Coll in.
	Goneral Direction.	A.M.		NW. & N.	NE.N.	SW, calm		WSW. &		N. NNE.	Varia	18	The results apply to the civil day, or from midnight to midnight.  The height of the cistern of the barometer is 159 feet above the mean level of the sea a correction has been applied to the readings to reduce to sea lovel.	Observations are usually taken at the A.M., inton; Sh. P.M., and Wh. P.M. I no means of the eye-readings of the baroneter, the dry built thermometer, and the wet built thermometer, and the wet built thermometer, and the water built thermometer, and the water the dry built thermometer, and the water the converted into mean daily values by the application of corrections	educes trown a use usual solution of the processing the twenty years ending 1868 for the chemometers. With the corrected mean reading of the dry bulb thermometer is confined the corrected mean of the readings of the dry bulb thermometer is confined the corrected mean of the readings of the maximum and minimum them the corrected mean of the readings of the maximum and minimum the mean terminates.	construction of the properties	made at Greenwich during the 80 years ending 1890, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	Lireading columns and 24 it will be borne in mind that +indicates" higher, and -"lower," than the average.  The valuesgiven in column I? arenot corrected for the index error of the thermometer, which cannot be determined.	The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.  Strong sand v. variable.	show the aggregated duration of bright sunshine on each day. The reading of the barometer increased from 2928 in. at the beginning of the week to 3042 in. by 7n. A.M. on the 19th; decreased to 2968 in. by 4h. P.M. on the 28th; and	Increased to 30'16 in. by the end of the week.  (BRATA.—Weekly Return for Nov. 19, '98. SUNSHINE (Col. 28) Nov. 16, for '0'th. read '1'th. ; and sum for week (same col.). for 10'Th., read 10'8h.  "Jan. 7, '99. SUNSHINE (Col. 28) Jan. 7, for '0'th., read '1'th.; and sum for week (same col.), for 6'th., read 6'Th.	of the BARO in, read 30.07
	Of the	Earth 3 feet below the	0	45.66	45.65	45.49	45.40	45.40	45.60	45.98	45.60	17	esults al leight of ection ha	vations Freadin meter, a	1873 for meters. ed the	aily dew	t Green	ding co er,"thar aluesgi	ecord o mbols e	ne aggre eading in, by	ed to 30° ol. 28) No ol. 28) Jan	eading r 29.928
	tion.	Lowest on the Grass.	. 0	33.5	26.1	94.9	26.3	28.1	36.9	29.6	29.3	16	The r The b	the eye	ending thermo combin	mean dadaily va	made a of the a	Lnrea - "low The v	The record The symbols 8. strong; and	show the aggrant The reading to 30.02 in. by	increas HINE (C	a daily recol.) fo
	Of Radiation,	Highest in Sun's Rays.	0	67.4	112.0	81.7	2.201	0.911	76.4	101.3	9.76	15		ween	ning;	erally ds.	rning.	afternoon; Solar halo		and e	) 8. SUNS SUNSE	9. Mean
	Degree of Hu- midity	(Saturation equals 100).		88	02	11	29	65	93	75	75	14	23	Generally overcast; frequentrain between, and 8h, P.M.	Cloudy with slight hoar frost in morning; ary fine afterwards. A shower of rain at	r. 38m. P.M. Fine with hoar frost in morning; generally oudy till evening; very fine afterwards.	om ui:	Solar		Generally overcast in morning; fine and artially cloudy afterwards.	v. 19, 'g 1. 7, '99.	n. 28, 'g for we
		Least.	0	0.0	3.0	1.2	₹.0	1.6	1.3	Q 10	1:4	13	MARE	quentr	frost	orning fine af	r frost	dy till		nornir ls.	for No	" Ja
Temper	and Dew Point Temperature.	Great-	0	80	19.6	14.5	19.6	20.3	5.3	13.9	14.6	12	L RE	t; fre	it hoar is. A	stin m	ıt, Ho	y clou afterv	ıt rain	st in rervar	eturn	
the Air	and	Mean daily value.	0	3.4	6-6	6.9	13.6	11.2	1.8	2.6	L-L	11	GENERAL REMARKS.	vercas M.	h sligb erware	oar fro	ughor	Fine and partially cloudy till merally overcast afterwards.	Overcast; frequent rain	overcal	ekly B	
1	Of the Dew point.	Mean daily value.	0	9.28	32.2	35.0	32.7	97.6	40.9	34.0	35.8	10	GE	rally o	ly with	with h till ev	ae thro	and p	cast; f	rally cly	L-We	
		De- parture from Average of 50 years,	0	6.3	0.9 -	- 6.3	- 2.0	+ 0.3	- 5.8	6.9	- 4.7	6		Generally ov 3h, and 8h, P.M.	Cloudy with slight h yery fine afterwards.	4h. 38m. P.M. Fine with hoar frost in morning; general cloudy till evening; very fine afterwards.	Very fine throughout, Hoar frost in morning,	Fine and partially cloudy till generally overcast afterwards.	Over	Generally overcast in mo partially cloudy afterwards.	ERRATA	
	i.	Mean daily value.	0	41.0	41.7	41.9	46.3	48.8	49.7	41.6	43.4	8	Registered Sun above Sunshine Horizon, in hours.	13.9	13.9	14.0	14.0	.14.1	14.9	14.2	Sum 98.3	29
	Of the Air.	Daily Range.	0	6.6	19.6	17.2	28.4	26.8	7.1	14:3	17.7	-	ered Su une H ars. in		10							
		Low- est	0	37.1	33.0	33.0	30.7	34-3	40.1	34.5	34.7	9	Regist Sunsh in ho	0.0	10	1.4	10.6	1.9	0.0	6.0	Sum 26.5	28
		High-	0	4	52.9	50-5	1.69	1.19	47.2	48.8	52.3	2	r. te.)	P.M.;	after-	:	ghout	:	N. till after-	ghout		
METER.	Mean daily	rected and re- duced to 32° Fahren-	in in	29.516	29-782	29.913	29.980	29.908	29.734	30.092	29.847	1 4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. till 4h. P.M.;	8h. P.M.; w. P. afterwards. w. P. throughout	w. P. generally	. throughout	w. P. generally	v.P. and v. 1 8h. P.M.; w.P.: wards.	. throughout		27
	Phases	of the Moon,		:	First	Quarter. Apogee	:	:	:	In Equator		3	EL1 (For e	, W. P.	8h. P.M. wards. w. P.	w.P.	w. P.	w.P.	v.P. 8 8h. P.M. wards.	w. P.		
		Đ,		- 16	- 17	- 18	V 19	- 20	12	25	'	- uu		- 16	- 17	- 18	Y 19	- 20	- 21	- 52		1
	1899.	MONTH AND DAY	APRIL.	SUNDAY -	MONDAY	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY.		No. of Col

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1899.

### OFFICIAL COPY.

## WEEKLY RETURN

#### DEATHS IN LONDON BIRTHS AND

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, APRIL 29. [Price 13d. No. 17. 1899. Vol. LX.]

> General Register Office, Somerset House, May 1st, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 17.7 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

	1	Veeks	endin	g	1			1	Weeks	endin	g
Towns.	Apr. 8.	Apr. 15.	Apr. 22.	Apr. 29.		Towns.	e.	Apr. 8.	Apr. 15.	Apr. 22.	Apr. 29.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	19·9 23·7 25·8 16·1 20·5 27·5 19·2 28·1 11·8 21·2 24·5 16·6 26·7 21·7	24·0 18·1 19·9 17·0 27·1 17·2 20·3 11·2 14·3 19·1 21·5 19·2 21·7 19·1	15·8 20·8 21·6 20·9 17·2 22·0 18·2 11·8 15·1 16·7 16·1 16·0	17·2 20·6 18·9 15·8 16·6 15·7 14·0 12·5 14·0 13·9 16·7 11·3 0 17·1 17·1 0 18·0		Leicester Liverpool London - Manchester Newcastle-on- Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverhampe	· · · · · · · · · · · · · · · · · · ·	25·7 20·8 25·9 22·1 20·7 20·3 24·9 24·9 21·1 24·9 11·1	17·3 24·7 18·6 28·3 17·3 18·0 18·5 24·6 19·7 18·0 21·5 11·0 22·6 11·3 13·0 92·6	23·4 17·2 22·4 22·6 13·4 18·5 20·1 21·8 15·0 18·2 18·6 17·8 21·1 13·1	20·9 16·9 23·2 16·6 15·7 19·2 19·4 16·1 19·5 18·4 18·0 22·9 13·1 15·5

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.9 in Bolton and in Salford, and 2.5 in Manchester; from scarlet fever, 1.0 in Derby and 1.1 in Halifax; from whooping-cough, 1.2 in Wolverhampton and in Manchester, 1.3 in Hull, 1.4 in Cardiff and in Burnley, 1.6 in Plymouth, and 1.8 in Birkenhead; from "fever," 1.8 in Wolverhampton; and from diarrhæa, 1.2 in Wolverhampton. The 61 deaths from diphtheria included 26 in London, 10 in Sheffield, 6 in Leeds, 4 in Leicester, and 4 in Manchester. One death from small-pox was registered in Hull, but not one in any other of the thirty-three towns.

#### LONDON.

In LONDON' 2693 BIRTHS and 1478 DEATHS were registered. Allowing for increase of population, the births were 38, and the deaths 189,

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurrin in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the death thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 20.8, 18.6, and 17.2 in the preceding three weeks, further fell last week to 16.9. During the four weeks ending on Saturday last the death-rate averaged 18.4 per 1000, being 1.0 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1478 deaths included 45 from measles, 6 from scarlet fever, 26 from diphtheria, 54 from whooping-cough, 4 from enteric fever, 10 from diarrheea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 145 deaths were referred to these diseases, being 86 below the corrected average

weekly number.

The deaths from measles, which had been 29, 34, and 51 in the preceding three weeks, fell again last week to 45, and were 40 below the corrected average; 7 cases belonged to Hackney, 6 to Islington, and 5 to Camberwell sanitary areas. The deaths from scarlet fever, which had been 8, 6, and 7 in the preceding three weeks, were 6 last week, the corrected average being 16. The deaths from diphtheria, which had been 34, 20, and 29 in the preceding three weeks, fell again last week to 26, and were 11 below the corrected average; 6 cases belonged to Newington, and 3 to Lambeth sanitary areas. The deaths from whooping-cough, which had been 58, 54, and 47 in the preceding three weeks, rose again last week to 54, but were 19 below the corrected average; 7 cases belonged to Islington, 6 to Lambeth, and 5 to Fulham sanitary areas. The fatal cases of enteric fever, which had been 6, 14, and 3 in the preceding three weeks, were 4 last week, the corrected average being 7. The deaths from diarrhæa, which had been 11, 4, and 7 in the preceding three weeks, further rose last week to 10, but were 2 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 470, 343, and 277 in the preceding three weeks, rose again last week to 294, but were 56 below the corrected average. The deaths attributed directly to *influenza* numbered 41, having been 84, 78, and 39 in the preceding three weeks.

Different forms of violence caused 71 deaths, concerning all but 2 of which inquests were held. Of these 71 deaths, 8 were cases of suicide, and 2 of homicide, while the remaining 61 were attributed to accident or negligence. Eight of these were referred to vehicles in the streets, 5 to drowning, 1 to the effects of chloroform administered for surgical purposes,

and 9 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3 cases of small-pox, 2131 cases of scarlet fever, 997 of diphtheria, and 124 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 226 cases, against 150, 163, and 189; of diphtheria, 110 cases, against 103, 108, and 108; and of enteric fever, 21 cases, against 13, 16, and 16.

GREATER LONDON.

In Greater London 3818 births and 1987 deaths were registered, corresponding to annual rates of 30.5 and 15.9 per 1000 of the estimated population. In the Outer Ring 19 deaths from measles, 8 from diphtheria, 25 from whooping-cough, 4 from "fever," and 3 from diarrhœa were registered. Ten deaths from measles, 4 from diphtheria, and 10 from whooping-cough occurred in West Ham district; 5 deaths from measles occurred in Edmonton district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.63 inches, and that of the Thermometer 50°·1; the latter being 1°·6 above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 13 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 17.8 hours; the measured rainfall amounted to 0.79 of an inch.

The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

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		Registered during	d during				The DE	The DEATHS registered in the	gistere	in the	Week include	olude				Annua per l	Rate 000,	TRMPR	TEMPERATURE OF THE AIR	EOFTE	E AIR.	RAINFALL	ALL.	
CITIES	Porulation estimated	29th Apri	11 1899.		Deaths of			De	Deaths from	m					th.	to the Week's Deaths.	he eaths.			Me	Mean.			CITIES
AND	to the middle of			10	rgeq 1.8	,x					•		.898 <i>s</i>	ni ar oil	tified f. Dea	I	u	tsəų!	.189V	-31	.9		-iti .4	AND
воворень.	*.66921	BIRTHA, DEATHS.	DEATHS.	n etnstal 1202 l 1928	s anosta¶ a9Y 08 wqu bna	og-llame	Measles.	Scarlet F	Diphtheri gaiqood W	gever.	Bistrhosa	Violence.	O tseupu	Deatl duq utitenI	Тисет Свинев от	From Al	From Diseases i Cols, 6-12	Fahrenheit.	Theit.	sprende	bergitne	вәцоиј и	n9O ni e9139m	воволенѕ
Cois.		ાં	ສລໍ	4	5,	6.		-	-	i	-	= =		1 15.	16.	17. (	38	19.	20. 16	E 51	2 3	1 83	1 24	Cols.
33 TOWNS	- 11.404.408	6927	3869	088	1020	-	117	20 61	100	0	06	1 2	100	-	1 8		1	100	1 20			1 1	1	See The Control of
				200		1						Tol	_		20	, , , ,	)O	20	0 0	# S#	11.6	00.0	1 4 n	55 LUWINS.
1	- 4,046,752	2693	1478	335	410	ī	45	9	26 54	4	07	71	137	432	18	6.91	1.7	62.0	36.4	1.09	90.01	62.0	2.31	LONDON.
WEST HAM	- 300,241 - 157.759	9/1	80	2 50	97		10	1	- G		1	4 1	9 1	13	4	15.5	12.	1	1	1,	1 !	1 !	1	WEST HAM.
۱ ۱		00 19	37	~ <	10	1 1	1	1 1	1	1		2	_	9 6	1	13.9	8.0	63.0	39.5	50.3	10.17	0.47	1.19	CROYDON.
TH		-113	20	14	19	- 1		1 1	1	-	-	1 1	1 00	n 00	1 1	1.91	4.0 0.0	20.0	2.14	49.3	9.61	0.87	1.59	BORTSWOTTH
PLYMOUTH -	789,001 -	92	31	22	6	1	1	1		-	2	1	-	·	1	16.1	1.0	2 1	0.01	1 1	3 1	601	1 1	PLYMOUTH.
BRISTOL -	- 320,911	175	98	20	23	t	Н	П	-	1	1	9	13	17	-	14.0	8.0	29.0	35.0	2.4	19.8	0.58	1.42	BRISTOL.
CARDIFF -	- 185.828	109	20	19	00	1	1	1		-1	1	6.1	ಣ	4	7	14.0	2.0	1	1	1	1	1	1	CARDIFF.
SWANSEA -	- 103,722	46	26	2	0	1	1	-	er.	1	1	-	1	4	ı	13:1	5.0	ı	1	1	3	1	1	SWANSEA.
WOI,VERHAMPTON	N 88,821	11	47	11	91	1	1	1	-	63	.ca	65	4	10	1	27.6	4.7	63.2	39.0	47.3	00.8	0.39	0.00	WOLVERHAMPTON,
BIRMINGHAM	- 514,956	361	203	46	46	ı	3	1	1	67	22	4	10	57	~	9.07	1.0	1		1	ł	1,	1	BIRMINGHAM.
NORWICH -	- 113,266	57	34	9	16	1	-	1	1		1	-	_	10	1	15.7	6.0	0.09	38.8	48.0	68.8	0.58	0.71	NORWICH.
	- 213,851	110	62	19	91	1	1	1	4	1	1	_	4	9	1	15.1	1.0	1	1	1	,	1	ł	LEICESTER.
NOTTINGHAM	- 239,384	611	88	21	56	,	c1	-	-	-	_	LO	9	16	1	19.5	1:3	58.3	38.0	6.24	8.83	0.57	69.0	NOTFINGHAM.
DERBY -	- 106,401	22	34	<u></u>	07	1		ଦୀ	1	-	1	_		10	1	16.7	1.2	ŧ	ı	1	ŧ	1	1	DERBY.
D,	- 115,162	92	38	7	14	1	-	1	1	-	1	ा	4	00	ı	17.2	2.3	f	1	1	ı	1	ı	BIRKENHEAD.
LIVERPOOL -	- 634,212	426	254	49	œ ;	1	က	4	1	23	en	6	16		0	6.05	1.5	59.3	38.2	48.2	00.6	0.68	1.73	LIVERPOOL.
		06	49	တ ရ	91	1	9 2	-		1	'	ണ	9	- 1	1	15.8	5.6	1	1	1	1	1	1	BULTON.
TER	- 543,502	379	242	200	93	ı	920	1	4	NI G	4 6	4,	G ,	20 0	1 0	7.05	4.4	í	1	1	1	1	1	MANCHESTER.
OLDHAM -	- 150,779	501	5.6	3 5	101	1 1	0 1	1 -	1 -		1	٦ ،	- 6	07	7, 1	19.4	1.7	1 1	1	1 1	1	1 .	1	SALFORD.
BURNLEY -	- 113,081	65	27	-	6	1	1	-	1,1		r-d	1 63	. 4		1	12.5	2 63	1	1	i	1	1	1	BURNERY.
BLACKBURN-	- 135,154	92	. 49	14	12	ı	6.1	1	63	1	1	,	_	3	7	18.9	2.2	1	ŀ	1	1	1	1	BLACKBURN.
PRESTON -	- 117,622	92	44	17	6	1	1	1	1	27	_	1	l.	-	1	19.5	1.8	1	1	1	ı	1	t	PRESTON.
HUDDERSFIELD	- 103,464	29	34	9	11	ı	1	-	-	-	1	_	_	1	1	17.1	2.1	58.3	28.2	47.7	8.72	0.23	1.35	HUDDERSFIELD.
HALIFAX -	- 97.721	: 43	32	4	11	1	1	6.4	1	-	1		_	9	1	17.1	1.6	. 1	1	t	Л	1	į.	HALIFAX.
BRADFORD -	- 236,241	107	22	œ ;	25	1	7	4	-		1	4			ı	9.91	9.1	0.09	32.8	48.7	85.6	0.0	1.55	BRADFORD.
LEEDS	- 423,889	3(2)	191	53	Q1 2	1	4	C3	9		1	9	14		1	19.8	57	1	1	1	1	1	ı	LEEDS.
	- 361,169	236	G-T	37	77 2	1	23	-	9	ν1 	1	_	24		67	0.81	77	1	1	1	1	1	1	SHEFFIELD.
HULL - JINH	234,270	187	200	2 2	77	~	1 0	·	1	9 -		en 1	9 0		ବା ।	18.0	0 0	63.0	35.0	46.9	85. 85. 85.	10.0	1.45	HULL.
GATESHEAD	16,656	007	00	or or	12	1	7	7	ı	-		<u>-</u>	_	9 6	-	27.0	Σ,		f	1	1	1	t	SUNDERLAND.
NEWCASTLE -	998 695	138	3 5	0 %	18	1 1	1 1	1 1	1 1		1 1	1 14	ı °	77 9	-	6.11	ا و	ı	1	1	1	1	1	GATESHEAD.
	0.000	100	2	07	or	,		-		-		==			-	0.01	70	1	ı		1	ı	ı	NEW CASTLE.
								*		1	-	l	ı	1										

TABLE 2. LONDON.—Births and Deaths Registered in the SEVENTEENTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2522	2538	2507	2614	2582	2485	2691	2743	2750	2522	2730-7	2693
Males	1279 1243	1288 1250	1310 1197	1318 1296	1318 1264	1274 1211	1380 1311	1374 1369	1379 1371	1260 1262	1386·7 1344·0	1402 1291
TOTAL Deaths -	1462	1567	2006	1619	1570	1543	1508	1641	1442	1485	1666.9	1478
Males Females	777 685	826 741	1060 946	823 793	857 713	788 755	802 706	831 810	763 676	778 707	874·1 792·8	733 745

The numbers in this column are the average weekly numbers in the seventeenth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

	1110	SITIA	.130, 111	. the i	10,50 L	1111611		V EEKS	J.,				
• •)	Feb.	Feb.	Feb. 18.	Feb. 25.	Mar.	Mar.	Mar. 18.	Mar. 25.	Apr.	Apr. 8.	Apr. 15.	Apr. 22.	Apr. 29.
TOTAL Births	2696	2802	2862	2752	2676	2627	2613	2480	2609	2554	2875	2759	2693
TOTAL Deaths	1690	1991	1686	1875	1925	1954	2099	2025	1922	1816	1624	1499	1478
$\begin{array}{c} \text{Ages at} \begin{cases} \text{Under 1 year } - \\ 1-5 \text{ years } - \\ 5-20 \text{ , } - \\ 20-40 \text{ , , } - \\ 40-60 \text{ , , } - \\ 60-30 \text{ , , } - \\ 80 \text{ years and upwards} \end{cases}$	330 -191 -78 -224 358 417 92	430 210 109 252 399 472 119	328 - 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89
Deaths from— Small pox — — — — — — — — — — — — — — — — — — —	222 8 32 50 1 10 -	21 7 49 45 20 15	27 4 40 38 16 11	32 .7 29 55 .1 13 -	36 7 48 64 - 9	38 9 36 55 - 9 - 13	35 7 45 73 7 8	33 4 37 90 - 4 - 11	37 4 31 57 - 9 1 7	29 8 34 58 - 6 - 11	34 6 20 54 - 14 - 4	51 7 29 47 - 3	- 45 6 26 54 - 4
All the above Diseases	133	157	136	147	176	160	175	179	146	146	133	144	145
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence—Inquest Cases——Deaths in Public Institutions—	348 189 165 74 152 539	481 192 194 69 178 593	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	35.5 40.1 30.6	47.4 51.7 42.7	45.6 51.7 39.9	40.7 48.2 34.0	38.0 47.7 28.3	40.2 49.4 31.1	42.5 52.4 33.8	32*2 40*9 24*8	50·1 59·0 43·2	48.9 56.1 44.0	43·9 52·2 37·2	43·4 52·3 34·7	50°1 57°3 44°1
Humidity of the Air	83	83	82	81	79	73	87	68	77	77	80	75	76
Rain-fall (in inches)	0.18	1.19	0.72	0.02	0.04	0.07	0.00	0.11	0.37	0.49	1.27	0.43	0.79
Registered Sunshine (in hours)	7.4	10.2	22.0	£8.8	34.1	43.7	19.7	31.3	19.5	25.3	21.9	26.5	17.8
CASES OF INFECT	ious s	SICKN	ess in	_	ITALS	* AT T	HE E	ND OF	EACH	WEE			
Scarlet Fever	2665 1377 229	2642 1378 228	2587 1403 231	2 2575 1394 215	2 2584 1374 207	2 2540 1313 193	2437 1261 183	2355 1200 173	2322 1165 148	2235 1126 139	2126 1068 129	3 2144 1034 125	2131 997 124

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their mateorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. 'roston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Bodbyst, Esq., M.B., Nottingham: E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R. C.S., Freston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4. SEVENTEENTH Week of the Year 1899.

			5	SEV	EN'	ree	NT	H	Wee	k of the Year 1899.					_	-			,
	rears		In Satur	the day,	Weel 29th	Apr	ling il 18	99.			r the	5	In	the	Wee, 29t	k en h Ar	ding pril 1	899.	
	es for the 10		Dea	aths th	of Pe	erson	s of			:	ges for the 10 18*.		Der	ths	of P	erso ges	ns of		
USES OF DEATH	Averages k of the 1889-98*,		ט	nder 20.		under 40.	under 60.	ler 80.	and	CAUSES OF DEATH	Averages of the 1889-98*.	ŝ8.		nde 20.	r	under 40.	der 60.	under 80.	la,
	Corrected A	ALL AGES.	0-1	1-5,	5-20.	20 and und	40 and und	60 and under	80 years supwards.		Corrected 17th Week	ALL AGES	0-1.	1-5.	5-20.	20 and un	40 and under 60.	and	Sc years nowards
AUSES	1666-9	1478	325	195	87	172	289	321	89	Diseases of Circulatory	137:8	114	1		11	15	39	41	7
l- {Vaccinated† - Unvaccinated No Statement es t Fever ns	0.5 0.4 0.3 85.3 16.4	45 6	- - 10 1	34		I med 1 1 1 1	111111	11111	-	Croup	4.9 169.0 138.8 9.6 27.5	150 112 4 24	- 22 25 - 4	32	1 6 - 1	5 9 -	14 25 1 9	66 13 2 6	2 -
sing Fever nza	20.0 72.5 36.6 0.5 6.5 0.1	41 54 26 - 4 - 10	1 28 2 - - 7	18 18	2	9 - 2 - 1	ī -	13 1	4 1	Dentition- Quinsy, Sore Throat - Enteritis - Peritonitis Diseases of Liver - Other Diseases of Digestive System	9.8 1.4 11.5 6.1 24.6 34.1	5 3 10 6 22 36	3 - 7 - 5 11	2 1 1 2	1 1 2 1 -	2 2 4	1 1 8 9	- - 2 7	
hea, Dysentery - tent Fever phobia ers ox and Effects of cination	0.1	- 6	3			- 1	-		11 1 1 1	Diseases of Lymphatic System & of Ductless Glands -	2.1	5	-	_	2	-	2	1	-
eal Affections	8.7 3.4 2.0 3.5 2.0	2 - 5 -		-	-	5 -				Diseases of Urinary System	44.1	42	-		2	7	19	12	2
Zymotic Diseases	0.9	_	-	-	-	-	-	-	-	Diseases of Generative System Accidents of Childbirth-	5*2 5*7	6 3	-	-	-	4 3	1	1	-
is and other Para-	0.4	2	-	-	-	]	1	-	-	Diseases of Locomotive System	6.0	1	-		1	-	-		-
ation, Want of ast-milk }	0°8 9°5	1 11	1 -	-	-	-	5 5	1	-   -	Diseases of Integumen- tary System-	4.1	4	]	-	-	1		2	3 -
matic Fever, eumatism of Heart } matism ots er s Mesenterica renlar Meningitis - isis ula, Tuberculosis - r Constitutional } eases	6:4 3:8 3:5 5:8 71:3 20:1 23:9 166:4 22:4 11:6	4 3 3 6 71 13 21 140 17 14	1	50	1 1 - 2 - 2 1 6 2 2 4 18 3	5	1 1 1 1 3 25 3 25 4 4 9 2 4 4 9 2 4 4 9 4 9 4 9 4 9 4 9 9 9 9	37	3 - 3	VIOLENT DEATHS.:  (ACCIDENT.)  By Railways		38 2 4		- 1 1 1 1 1	1 - 1	1	- 1	-	4
nature Birth	45.7 3.4 6.6 45.1	57 4 7 66		5 -	1 1	-	-		2 34	By Drowning - By Suffocation in Bed By Poisons or Poisonous Vapours Other or not stated causes -		28	-	9 -	1		-	-	7 3
olexy	44.4 7.9 27.9 87.6	49	9 9	35	4 - 6 6	-	1 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L :	b   1 -   -	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	2:1 8:7	-18			- ]	- 24 L 4		3 -	
ases of Organs of ecial Sense -	01	1	3	1	-   1		1	-		OTHER CAUSES	49.7	55	_	Į.	2 .	-		5 -	
The numbers in this	column a	are tl	hear	vera	ge '	wee	kly	de	aths	for the ten years 1889-98, ra	ised by	5.513	per	ce	nt. i	or	inci	rea	30

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5·213 per cent. for increase opulation.
Only those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered ical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the seaffless is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whother a violent death be the result of dent, murder, manslaughter or suicide. All such causes are classed under "accident."

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHGA, VIOLENCE, &c., registered in each of the Week ending Saturday. 29th April, 1899. TABLE 5.

				The DEATHS registered during the Week include													
	Enume-			Dea	thsof	Deaths from											ations.
REGISTRATION SUB-DISTRICTS,	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Stall-pox.	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence,	Inquest Cases.	Deathsin Publicanstitutions
LONDON -	4,411,710	2693	1478	325	410	-	45	6	26	54		4	_	10	71	137	432
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	407 591 138 499 1058	259 321 72 254 552 20	46 65 11 53 150	97 95 16 65 129 8		16 1 8 16	1 - 4	3 1 3 18	17 10 9 18		1 1 -	-	- 4 - 3 2 1	12 17 4 11 26	19 28 14 32 44	81 92 33 78 128 20
WEST DISTRICTS.  St. Mary Paddington $G.\&W.$ St. John Paddington $H G.$	90,996 33,510	5 <b>1</b>	26 9	5 1	14	-	_		_	2	-	-	-	-	2 2	2 3	6 5
Kensington Town Ww W. Brompton HH W. & C.	122,164 48,301	50 12	43 13	3	17	-	-		ī	-3 1	-	-	-	-	-	5	13
North Hammersmith $H$ W. & G South Hammersmith $H$ W. & C.	44,638 59,561 113,781	31 36 92	15 17 43	4 3 11	4 7 18	1 1 1	1 -	- 1	- 1	1 2 5	-	-	-		3	1 3 2	4 13
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	13 20 20	17 9	- 1	7 2	1 1 1	1 -			1	-	-	-	-		- 1	11
	23,827 56,140 31,492 22,097	9 26 19 7	13 24 6 8	1 2 1 2	6 10 1	1 1 1 1	- 2 - -	1 1 1	ī -	- - 1		1111		1 1 1 1	2 -	2 -	9 8 - 6
	23,050 12,048	5	9	3 -	4				1 1	1 -	-	-	-	-	-	-	1 3
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHH Rectory Marylebone W G. & W. St. Mary Marylebone G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH W. Hampstead WwHHHHH - N. & W.	36,595 19,798 19,637 32,547 32,611 75,449	13 10 26 16 13 33	16 4 4 5 12	1 1 2 - 1 3	5 1 - 2 7		-	1		1		1		1 1 1 1 1 1	1	1 - 2	8 - 1 - 1
Regent's Park Pancras $HH$ - W. Tottenham-court $\}$ - N. & W. Gray's Inn Lane $HHH$ - N. Somers Town $HH$ - N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	26 11 13 17 10 61	8 11 12 12 12 12 23	1 2 6 1 1 8	3 2 1 3 8 3		1 1	-		1	-	1		1 - 1	2 2 - 2 -	1 3 2 1 2 -	2 6 5 - 9 6
$ \begin{array}{c cccc} \textbf{Upper Holloway} & - & - & \textbf{N}. \\ \hline \textbf{WWWwWwHH} & - & \textbf{N}. \\ \textbf{Islington South-west} & \textbf{H} & - & \textbf{N}. \\ \textbf{Highbury} & \textbf{HH} & - & - & \textbf{N}. \\ \end{array} $	98,273 107,365 66,549 64,577	58 70 42 31	54 17 13 13	9 5 6 2	22 3 2 4		1 3 1 1		-	4 - 3				1	1 1 - 1	3 1 1 1	30
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	33,485	$   \left\{     \begin{array}{c}       11 \\       21 \\       33 \\       30 \\       46     \end{array}   \right. $	5 14 17 25 25	122921	2 5 6 4 10	1111	1 5 1 -		1	1	1 1 1 1			- - 1	- 2 - 1 4	- 3 1 2	- 2 1 14

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers a received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signif Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. N River; E. East London; and K. the Kent Company.

\* See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

E 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Carlet Fever, Diarrheria, Whooping-cough, Fever, Diarrhera, Violence &c., registered in each Sub-District during the Week ending Saturday 29th April, 1899—continued.

OB-DISTRICT during the We	ek endin	g Satu	rday	29t	h Ap	ril,	189	9 <b>—</b> c	ont	inue	d.		ĺ	Ü				
				Th	e DE.	ATHS	regis	tered	durin	g the	Weel	kinsl	ude					
	Enume-			Deat	Deaths of				Deaths from								utions	of
EGISTRATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards,	Small-pox	Measles.	ScarletFever	Diphtheria	Whooping cough	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoea	Violence	InquestCares	Deaths in Public Institution	Uncertified Causes Death
CENTRAL DISTRICTS.	16,110	4	4	-	1	_		_	-	-	-	_	-		-	-		-
Hiles South $WH$ N. Hiles North $H$ N.	12,976 9,151	13 4	10	-	2 -		-	-	-	-	-	-	-	-	-	4	5	1 1
Intil-in-the-Fields HHN.&C. nd WHH N. nd Union Workhouse, Edmonton	13,077 11,839 +1,037	2 5 -	5 11 -	2 -	1 3 -	- - -	-	-		1 1 1		-	-	-	1	- 2 -	28 -	111
oorn wHHHHHHHH - N. ames Clerkenwell - N. well Clerkenwell - N. well-street - Nroad HHHH - N. bury - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	14 12 26 9 33 4 1	935391	211121	3 1 2 - -		1		1	1 1 1 1 1 1 1 1	1111111	1111111	1 1 1 1 1 1	111111	- - -	2 1 - 2 1	4 - 4 - 2	1711111
$egin{array}{lll} egin{array}{lll} egin{arra$	6,870 3,299 9,591 9,059 2,892 †288	4 3 1 2 1	77 - 1	1	1			-		-		-			2	2	- 6 - 1	11111
EAST DISTRICTS.  reditch South $Hl$ - E. & N.  ton New Town $w$ - N.  ton Old Town N.  gerston $WH$ N. & E.	17,975 29,575 27,645 47,163	7 18 16 37	6 12 7 17	- 4 2 2	1 7 1 3	-	-					-		ī -	- 1 -	1 1 1 -	1 7 8	11/11
hnal Green North $H$ - E. hnal Green South - E. hnal Green East $WHl$ - E.	49,301 34,194 45,667	42 29 32	11 11 25	244	1 2 11	-	1	-	1	1	-		-	- 1		2 2	14	111
salfields E.& N. e End New Town* $WH$ - E. dman's Fields* E.	26,681 } 51,995 {	20 29 12	26 4	2 3 2	- 4 1	-	ī		1	1 -	-	1		-	1 3 -	1 7 -	18	111
George's North E. Ohn, St. George East W E.	39,576 7,930	36 4	15 5	5 2	$\frac{4}{2}$	-	2	-	-	1	-	-	-	-	-	$\frac{2}{1}$	3	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	6 6 34	12 6 9	1 2 5	2 1 1	-	1 - 2	-	-	1 -		- 1			- - 1	1 3	4	1-1-1
e End Old Town West H E. e End Old Town East E. E.	} 111,060	{ 43 47	8 15	2 2	3 5	-	ĩ	-	-	1	-	-	-	-	1	1 2	5	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	19 33 29	12 35 14	3 2 4	3 9 4	111		-	1 1	1 2 -	1 1 1			1	- 2122	4 3	2 15 1	1 1 1

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of London. Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASLI SCARLET FEVER. DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-District during the Week ending Saturday, 29th April, 1899—continued.

Ī					The DEATHS registered during the Week include													
		Enume-			Deatl	eaths of Deaths from												utions
REGISTRATION SUB-DISTRICTS		rated Popu- lation, 1896,	Тота! ВІВТНЗ,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence.	InquestCases.	Deaths in Public Institutions
	SOUTH DISTRICTS.	The second secon																
HHI	$\begin{array}{llllllllllllllllllllllllllllllllllll$	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	12 11 7 22 24 39 21	- 4 10 7 6 7 38 8	1515293	321 - 9 -		100 mm		1	1 3	1111111		111111	1111111	1 1 1	1 1 2 1 2 1	
]	St. Olave $WH$ S. Sermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	9 67 29	13 30 26	2 7 6	1 8 9	-	1	-	1 -	1	111111	-	-	1	6 - 2	6 3	12 3 12
1	Vaterloo-road $HH$ - L. & S. Lambeth Church 1st $H$ - L. & S. Lambeth Church 2nd $WW$ L. & S. Cennington 1st $H$ - S. & L. Kennington 2nd - S. & L. Srixton $w^*$ L. & S. Vorwood $WH$ L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	27 16 37 50 24 44 16	6 16 24 20 7 23	3 1 4 9 1 6 2	- 3 10 4 4 3 2	111111	1	1	1 - 5	32 - 1		1111111	111114	11111	1 4 - 1 - 1 -	1 2 - 1 -	3 12 11 - 4 -
1	Cast Battersea S.  Vest Battersea $WwH$ S.  Clapham $H$ S.  Vandsworth $WHHL$ - S.  Cutney S.  Streatham $WwwWL$ - L.	71,730 93,385 46,953 58,101 20,566 61,644	39 61 35 39 7 37	19 16 13 15 3 10	8 3 3 6 - 2	4 2 4 3 4	11111	1			22112	-	1		11111	1 1 1 1	3 1 1 1	1 1 - 1
1	Oulwich L. & S. 2amberwell Wwll - S. & L. 2eckham WW - S., L., & K. 4. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 47 57 37	1 46 29 19	7 11 8	1 16 6 2	1 1 1 1	3 2			'	1111		;	1	- 1 -	- 4 2 -	23 -
1	Deptford North K. Deptford Central $w$ K. Deptford South K. Freenwich West $H$ K. Freenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	27 26 14 10 16	18 10 2 5 19	9 1 - 3 6	1 5		1 - 3		3 -	1 - 1 - 1	1 1 6 1 1	-	1 1 1 1	1111	- - 1		- 3 - 11
ŀ	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	5 9 30 19	1 5 23 8	1 3 1	1 6 4		1	3 -	4	-	F - 1 - 1		11/11	1 1 1 1	1	1	1 14 -
	Charlton $wHH$ K. Woolwich Dockyard K. Woolwich Arsenal $HHHH$ - K. Plumstead West $H$ K. Plumstead East $WH$ K.	16,714		5 5 10 6 12	-	- 1 1 4 1		1 - 1	1111	1 -		-	11111	11111	1	- 1	- 1111	1 2 3
	Banstead Asylum			1 1 3 3 4 4		2 1 - - 1 - - 4	-						1111111111111		1		111111111111111111111111111111111111111	1 1 - 1 3 - 5 4

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 29th April, 1899.

en	ding Saturday, 29th April,	1899.		- 11	1			m.	Dave				Ab a X	Took	in alu	do		-,
						Death	sof 1	The	DEAT		gister eaths			V 66K	Inclu	Te		-
s- on et L et	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATES.	-	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	laquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
ON	DON-OUTER RING -	368,749	1,422,063	1125	509	106	142		19	_	8	25	4	3	25	48	58	11
1 2	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	17 5	9 4	2 -	1 2	-	-	-	1	-	-	-	1	2	ï	14 
1	Godstone, part of * W -	-2,754	1,598	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 2	Croydon WwHHH	20,851 11,697	128,699 23,072	73 14	44	8	16 1	-	-	-	77	2	-	-	5	7	7	, -
12345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	27 23 11 4 14	10 6 1 5 6	1 4 - 1 -	6 2 .		1 - 1 - 1		1 1 1 1		1111	11111	1	1	1 1	1111
1 2	Richmond $WH$ Mortlake $H$	2,160 .2,823	25,389 16,159	12 13	6 7	1	2		-	-	-	ī	-	-	1	1	2 -	-
1212	Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	13 14 9	10 11 .5	1 3 -	1 4 3	1 1 1	-		-	1	-	1 1 1	1 1 1		2 -	1
1 2	Bexley HHH	12,540	30,590	31	10	1 -	3 2	-	1	-	-	1	-	-	-	-	2	<u>-</u>
1 2	Sunbury w Staines WH	11,054 13,277	13,671 13,221	7 9	7	ī	3	-	-		-	ī	-	-	-	-	3	ī
1 2 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	4 6 4	$\begin{bmatrix} 6 \\ 2 \\ 1 \end{bmatrix}$	1 -	3 1 1		- -	-	5-	-	-	-	- - -		7	1
12345	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	16 7 20 19 25	10 5 8 6 19	2 1 - 1 3	5 1 6 -6		-				2		- - 1	1 - 1 -	1	1 1 -
1 2 3 4	Harrow $H\Pi H$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	11 5 73 17	3 - 23 9	3 2	1 2 4		1 2 -	- 1 - 7 -	1 -	3 -	1 1 1		- 2 1	5 1	- 2 6	1111
:123	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	31,077 4,688	6,367 14,152 25,820	2 14 13	7 5	1 1	3 -		-		- 1	-	-	1 -	- 1	- 1	4 -	-
123456	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	39 85 30 21 8 8	15 40 14 9 1 2	3 12 2 3 1	5 9 2 6 - 2		3 1 1	1 1 1 1 1	1	2	11111	ī - -	1	432-	- 1 - -	
: 1	Hatfield, part of * W	3,306	582		-	-	-	-	-	-	-	-	-	-	-	-	-	
: 1	Bushey H Watford WH, part of* -	9,331	7,737	1 -	2	-	1	-	-	-	-	-	-	-	-	-	1	-
1234567 12	$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501	53.511 32,713 70,188 57,330	35 53 55 33 52 70 57 8	22 20 22 14 23 38 21 4	4 8 12 1 2 9 5 1	5 2 1 5 4 8 5 2 -	1111111111	1 2 4 1	11 1111111	1 2 -	2311311	111	1	1 2 1 2 3	2 3 1 3 6 1	14 1	1 1 2
:123	Romford, part of * WH - Ilford Barking Town, H	6,556 8,493 3,814 —	10,913	2 15 18 -	1 4 4 1	12-	1 3 1	1-1-1	-	1 1 1 1	-	2 -				1 -	1	
The	Middlesex County Asylum, Wandsworth.  parts of sub-districts include follows: -30: 2. Epsom sub-d	ed withi	n that port	ion of	the M		olite	n Po	lian	Diet	riot	whiche p	eh fo	rms	the (	Oute	r Riu	ni

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows:—30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district; except the parish of Theydon Bois and part of the parish of Epping 0.1,079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for this Diseases belonging to the Outer Ring in 42: 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS), -DEATHS and Rate of MORTALITY during the week ending Saturday. 29th April, 1899.

			ANNUA	L RATE		il	The DI	CATH	8 regi	istered	l in th	e We	ek inc	lude		
, annual p	Area	Population estimated	of MOB	O living.	DEATHS	Dea	ths of				Death	s from	n			1 111
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Thursday In Day
Cols.	1	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	
GREATER LONDON	443,421	6,528,434	15.9	1.6	1987	431	552	_	64	6	34	79	8	13	96	4
INNER LONDON - OUTER RING -	74,672 368,749	4,546.752 1,981,682	16.9 13.4	1.7 1.6	1478 509	325 106	410 142	-	<b>4</b> 5	6 -	26 8	54 25	4	10	71 25	4

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

1					- GOT GOTTE	TOUBIGH	OTTIBO!							
-	• .	POPULATION					ANNUAL	DE	ATHS	FRO	M PRI DISEA	SES.	L ZY	IOT
	CITIES	(enumerated	DATE OF RETU	RN.	BIRTHS.	DEATHS.	DEATH-	00X.	200	f.	Diphtheria.	Whooping-	1.	- las
	01111111	or estimated).	Week end	ing	Exclusive	of Stillborn	per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	hth	idoc	Fever.	Diarrhoal
								Sm	K	DO FH	Dip	Who	124	Dia
		900 005	A	29	183	98	17:1	1	3	-	1	1	1	11
1	EDINBURGH - GLASGOW	298,927	April	29	502	322	22.9	_	21	3	3	3 11	4	,
	DUBLIN	349,594	,,,	29	227	199	29.7	-	-	-	1	8	3	1
	CALCUTTA	466,460	January	28			_	_	_	_	atas .	_	_	
	BOMBAY	821,764	April	4	153	1978	125:2	10	111	?	?	?	1027	9
	MADRAS	452,518	March .	17	-	-		-	-		-			-
	PARIS	2,511,629	April	22	1174	1107	22.2	-	34	5	- 8*	13	21	- 4
	BRUSSELS	551,011	22	22	242	192	18.1	1	6	1	-	1	5	5
	AMSTERDAM -	512,758	33	15	285	163	16.5	-		1	_	5	1	_
	ROTTERDAM -	311,301	79	15	241	117	19.5	-	-		3	-	-	-
	THE HAGUE -	196,325	"	15	115	66	17.2	-	-	-	3		-	1
1	COPENHAGEN -	345,000	93	22	161	118	17.8	-	5	- 1	1	-	-	
,	STOCKHOLM -	283,550	39	15	121	141	25.9	-	5	3	8*	4	-	-
	CHRISTIANIA -	203,337	22	22	138	71	18.1	-	-	2	~	-	-	28
	ST. PETERSBURG	1,132,677	99	15	599	599	27.6	3	15	4	19	11	19	4
	Moscow	988,610	77	15	-	509	26*8	2	12	5	10	3	1	5
i	BERLIN	1,805,054	29	8	882	694	20.0	-	9	14	11	7	-	3
1	HAMBURG DRESDEN	675,351	7)	22	256	184	14.2	- 1	-	-	1*	3		
	DRESDEN BRESLAU	389,300 406,012	March April	11 22	400	193 152	25·7 19·5	-	_	4	5≉	4	1	1
,	MUNICH	445,000	m .	15	309	214	25:0	_	_	-	4*	3	_1	2
,	VIENNA	1,606,629		22	1026	770	24.7	_	21	11	3*	11	2	43
	PRAGUE	380,497	9.9 9.7	15	189	225	30.4		5	4	3	11	-	3.
	BUDA-PESTH -	666,722	39	15	468	362	28.2	_	12	6	4	1	5	7
ı	TRIESTE	165,913	22	8	96.	102	31.5	-	-	3	4*	2	-	9
	ROME	500,610	75	8	211	151	15.7		-	-	1	-	35	1000
Į	TURIN (10 days)	344,203	March	20	218	219	2312	-	-	-	2	20	-	1
	VENICE	169,883	April	15	74	118	36.2	-	9	-	2*	-	1	13
	CAIRO	570,062	February	11	-		-	-0	-		-		-	
	ALEXANDRIA -	319,766	99	11	-	-	-	-	-	-	-	-		-4
ı	NEW YORK (including	3,550,053	April	8	1575	1300	19.1	_	14	11	29	5	7	-
	BROOKLYN) PHILADELPHIA -	1,266,832	"	8	_	- 584	24.0	_		3	3	4	48	
H			,,			001	art v				9	4	20	5

Including deaths from croup.
Including 892 deaths from plague.
Including 3 deaths from cholera.
Including 1 death from malarial fever.

							M	lete	orol	ogic	al	Obse	rvatio	13.							219
		1070	0.2	5.5	0.0	0.0	0.0	0.2	<b>9.</b> I	1.0	36		sea;	the tr	The	ions	ter.	ter.	ent,	th; of	
s ui	whose	surfaceis sinches above the Ground.	in. 0.04	0.40	0.50	60.0	0.00	0.03	0.04	Sum 0.79	25		vel of the sea; The means of the wet bulb	wenty y 868 for	minim 8). m the m	bservat movem ing 1875.	ermome	ectrome	nstrum	the write 27 the end	
		Depar- ure from Average of 16 Years,	Miles.	- 70	+ 97	+105	-113	+ 14	+359	Sum +251	24		ean leve	ng the branching laber	um and air (colu uced fro	rizonta]	oftheth	ering El	nshine I	A.M. or in. by	
	Robinson's.	Horizontal Movement of the Air on each Day.	Міјев.	913	376	377	159	283	<u>ē</u> 6f	Sum 2182	23	midnight.	ove the most sea leve M., and 9h mometer, he applies	nade durin	e maxim ire of the y are dedu	discussion hat of hor the 16 year	dexerror	elf-registe	Stokes Sur	t the beg. n. by 11h. d to 29:57	
	the t.	Mean of 34 hourly obs.	lbs.	0.1	6.0	0.3	0.0	0.1	6.0	:	1 27	tht to	duce tabe 3h.P. ther	by control of	of th perati imidit	roma and t	thein	on's s	pbell-	te in. a 29.79 i erease	
	Pressure on the	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	122	nidnig	s 159 f	the	ings of tem	rived f g 1890 ic reco	edfor	homs N. ne	Cam	ed to	
	Pres	Great-	lba. 3.3	1.5	9.9	7	9.0	2.0	7-7	:	202	from 1	ading A.M.; he dry	graphi luring	read range degree	hat de endin ometr	orrect	from J	om th	sed ir nereas 29th;	
Osler's.	lirection.	P.M.	S. & SSE.	S., SE. &	ENE. W., WSW.	NW, WNW.	ESE. E.	WSW.,SW.	WSW. &	able	19	ivil day, or	of the baron ied to the re taken at 9h. arometer, th	of the photo leter, and d	mean of the mean daily erature and wet bulbthe	of the air ist the 50 years of the anem	e. n 17 arenot	d. ris derived e:-P. positi	derived front of bright	the 26th; in F.M. on the	
	General Direction,	A,M.	s.	S., SSW.	SW. SSW.	SW., NNW.	NW. NW.	SSW. &		Variable	18	The results apply to the civil day, or from midnight to midnight.	The height of the cistern of the barometer is 138 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 8.h. A.M.; noon; 3h. P.M.; and 8h. P.M. The means of the oye-readings of the barometer, the dry builb thermometer; and the wet builb thermometer, are converted into mean daily values by the amplication of corrections.	deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1883 for the theory twests ending 1885 for the theory the corrected mean reading of the dry bulb thermometer is	combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet hill hermometers by of pisters Hydrometrical Tables.	The average temperature of the air is that derived from a discussion of the observations made at Greenwich furing the 50 years ending 1880, and that of horizontal movement of the air from a discussion of the amenometric records for the 16 years ending 1887.  In reading columns a gand 24 it will be borne in mind that it indicates thinks." and	"lower," than the average.  The values given in column 17 are not corrected for the index error of the thermometer.	which cannot be determined. The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are;—P. positive: N. negative: w. weak: m. moderate.	s. frong; and v. variable.  S. The numbers in column 33, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	Lie result of the parometer decreased from 30.10 in at the beginning of the week to 29.20 in. by 2h. A.M. on the 25th; increased to 29.20 in. by 1h. A.M. on the 27th; decreased to 29.45 in. by 4th. P.M. on the 29th; and increased to 29.45 in. by the end of	
	Of the	3 feet below the Surface.	45.96	46.00	46.23	46.64	46.85	47.10	47.47	46.61	17	esultsa	ection hetetion has vations	from a 1873 for meters.	ed the neters, i aily dew	Green Green ir from	gr," thar	annot b scord o mbols e	g; and v umbers	in, by ed to 29.	K.
4	Radiation.	Lowest on the Grass.	32.0	0.57	40.0	39.4	38.6	38.0	44.3	39.5	16	Ther	The h no corr Obser the eye	deduce ending thermon	combin thermon mean da	Thear made at of the a	The v	which o The re The sy:	S. strong Then show th	to 29 20 decreas	tne week,
ĵ0		Highest in Sun's Rays.	7.121	79.3	8.901	102.0	2.06	93.3	112.3	100.8	15		after-		iable	ning;					
Degree	midity	ration equals 100).	89	88	92	7.4	78	69	78	92	141	တံ	lo till a		g; var	morning		z; fine	till r		
ıre		Least.	0.57	0.0	0.5	3.3	3.5	2.3	0.0	1.7	13	MARK	lar hal		norning	, in is,		vening s. Ge	cloudy till noon;		
and Dew Point	peratur	Great-	0 16.7	11.2	17.4	8.11	2.01	17.7	9.01	13.7	13	GENERAL REMARKS	ght so	t rain.	n in m ards.	showery terwards	oudy.	till e	lly cl		
the Air	Len	Mean daily value.	0 10.5	3.4	2.2	6.2	9.9	1.01	8.9	2.2	=	NERA	ith bri	ednen	th rair tfterw	and sl udy aft	ally ele	vercast ly afte	partial equen		
Of the	point.	Mean daily value.	96.3	44.8	41.3	41.2	43.9	43.8	9.97	42.6	107	GE	Very fine with bright solar halo till after- on; overcast with rain afterwards.	Overcast; frequent rain.	Overcast with rain in morning; variable nd showery afterwards.	ole a y clou	Fine; generally cloudy.	ally or	and and with fi		
		De- parture from Average of 50 years,	1.9	1 0.5	+ 0.4	2.0 +	+ 5.0	+ 5.3	+ 4.6	+ 1.6	6		Very fine with bright solar halo till noon; overcast with rain afterwards.	Overe	Overcand sho	Variable and showery generally cloudy afterwards.	Fine;	Generally overcast till evening; fine and partially cloudy afterwards. Gentle rain in	early incring. Fine and partially cloudy till noon; cloudy with frequent showers till 4h, P.M.; fine afterwards.		
ir.		Mean daily value.	46.5	48.2	48.8	49.1	2.02	53.6	53.4	20.1	8	Registered Sun above Sunshine Horizon, in hours.	14.3	14.3	14.4	14.5	14.5	14.6	14.7	Sum 101:3	29
Of the Air.		Daily Range.	0 19.5	10.1	13.2	9.01	12.0	16.3	10.0	13.2	7	red Sur ine Horiza									-
		Low- est	36.4	44.6	43.7	43.5	45.9	12.2	48.8	44.1	9	Registe Sunsh in hou	5.4	0.0	4.4	10 21	5.0	0.3	3.5	Sum 17.8	28
		High-	55.9	54.7	56.9	54.1	6.12	62.0	29.1	57.3	2	of e.)	P.M.; fter-	zi :	A.M.; ional	fter-	- nnc	- noo	A.M.; till fter-		
Mean	reading	rected and re- duced to 32° Fahren- heit).	in. 30.042	29.222	29.331	29.495	29.776	29.686	967-67	29.626	4	Electricity. (For explanation of symbols, see Note.)	w. P. till 7h. P.M.; v. N. and w. P. after- wards.	and w.	w. P. till 8h. A.M. w. P. with occasional v. N. afterwards.	v. P. and v. N. till 4h. A.M.; w. P. after- wards.	w. P. throughout	w. P. throughout	till 11h. nd v. N.		27
Руваня	ofthe	Moon,	:	:	Full	:		Greatest			3	ELH (For ea	w. P. v. N. and wards,	w. P. and generally.	w. P. w. P. wi v. N. aft	v. P. a 4h. A.M. wards.	w. P. 1	W. P.	w. P. till Ilh. A.M.; v. P. and v. N. till 4h. P.M.; w. P. after-	wards.	
		а	23	24	22	26	27	85	29	1	- uı		83	24	25	86	27	28	29		
1899.		Монтн анд	APRIL. SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
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1899.

### OPPICIAL COPY.

#### RETURN WEEKLY

#### BIRTHS DEATHS IN LONDON AND

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, MAY 6. No. 18. 1899. Vol. LX.]

Price 11d.

General Register Office, Somerset House, May 8th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 16.5 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	1		. 1	Weeks	endin	g
Towns.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.		Towns.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	19.5 17.2 24.0 18.1 19.9 17.0 27.1 17.2 20.3 11.2 14.3 19.1 21.5 19.2 21.7 19.1 16.6	15·8 20·8 21·6 20·9 17·2 22·0 18·2 12·9 11·8 15·1 16·7 16·1 16·0 17·1 16·0	17·2 20·6 18·9 15·8 16·6 15·7 14·0 12·5 14·0 13·9 16·7	16·6 13·1 19·9 18·1 17·3 15·4 16·1 10·9 15·5 9·8 13·2 18·7 18·6 17·6		Leicester Liverpool London - Manchester - Newcastle-on-T Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea - West Ham - Wolverhampton	24·7 18·6 28·3 17·3 18·0 18·5 24·6 19·7 18·0 21·5 17·0 22·6 18·1 13·0	23·4 17·2 22·4 22·6 13·4 18·5 20·1 21·8 15·0 18·2 18·6 17·8 21·1 13·1 18·2	23·2 16·6 15·7 19·2 19·4 16·1 16·1 18·4 18·0 22·9	20·6 16·0 20·3 17·3 14·7 15·2 17·6 22·3 14·8 19·5 19·8 14·6 17·2 14·1 10·6

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.2 in Salford, 2.2 in Manchester, and 2.6 in Bolton; from whooping-cough, 1.0 in Huddersfield, 1.1 in Cardiff, in Bradford, and in Hull, 1.2 in Salford, 1.7 in Oldham, 1.8 in Birkenhead and in Preston, and 2.8 in Burnley; and from diarrhea, 1.5 in Derby. In none of the thirty-three towns did the death-rate from scarlet fever, or from "fever," reach 1.0 per 1,000. The 57 deaths from diphtheria included 21 in London, 6 in Leicester, 5 in Leeds, 5 in Sheffield, 4 in Birmingham, and 3 in West Ham. Two deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2623 BIRTHS and 1397 DEATHS were registered. Allowing for increase of population, the births were 162, and the deaths 212,

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum in the London to the London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlessx County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten

years. The annual death-rate per 1000 from all causes, which had been 18.6, 17.2, and 16.9 in the preceding three weeks, further fell last week to 16.0. During the four weeks ending on Saturday last the death-rate averaged 17.2 per 1000, being 2.0 per 1000 below the mean rate in the corresponding

periods of the ten years 1889-98.

The 1397 deaths included 36 from measles, 10 from scarlet fever, 21 from diphtheria, 47 from whooping-cough, 7 from enteric fever, 12 from diarrhoea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 133 deaths were referred to these diseases, being 92 below the corrected average

weekly number.

The deaths from measles, which had been 34, 51, and 45 in the preceding three weeks, further fell last week to 36, and were 47 below the corrected average; 5 cases belonged to Lambeth, and 4 to Bethnal Green sanitary areas. The deaths from scarlet fever, which had been 6, 7, and 6 in the preceding three weeks, rose again last week to 10, but were 6 below the corrected average; 2 cases belonged to Fulham, 2 to Bermondsey, and 2 to Greenwich sanitary areas. The deaths from diphtheria, which had been 20, 29, and 26 in the preceding three weeks, further fell last week to 21, and were 13 below the corrected average; 4 cases belonged to St. Pancras, 3 to Poplar, and 3 to Camberwell sanitary areas. The deaths from whooping-cough, which had been 54, 47, and 54 in the preceding three weeks, fell again last week to 47, and were 18 below the corrected average; 6 cases belonged to Islington sanitary area. The fatal cases of *enteric fever*, which had been 14, 3, and 4 in the preceding three weeks, further rose last week to 7, the corrected average being 8. The deaths from *diarrhæa*, which had been 4, 7, and 10 in the preceding three weeks, further rose last week to 12, but were 5 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 343, 277, and 294 in the preceding three weeks, further fell last week to 251, and were 72 below the corrected average. The deaths attributed directly to influenza numbered 25, having been 78, 39. and 41 in the preceding three weeks.

Different forms of violence caused 73 deaths, concerning all but 1 of which inquests were held. Of these 73 deaths, 4 were cases of suicide, 3 of homicide, and 1 of execution, while the remaining 65 were attributed to accident or negligence. Nine of these were referred to vehicles in the streets, 6 to drowning, 2 to the effects of chloroform administered for surgical purposes, and 14 (of infants under one year of age), to suffocation

in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2139 cases of scarlet fever, 1040 of diphtheria, and 118 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 219 cases, against 163, 189, and 226; of diphtheria, 182 cases, against 108, 108, and 110; and of enteric fever, 15 cases, against 16, 16, and 21.

GREATER LONDON.

In Greater London 3726 births and 1838 deaths were registered, corresponding to annual rates of 29.8 and 14.7 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 3 from scarlet fever, 14 from diphtheria, 15 from whooping-cough, 6 from "fever," and 5 from diarrhea were registered. Four deaths from measles, and 9 from diphtheria occurred in West Ham district; 4 deaths from measles occurred in Hendon district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30·02 inches, and that of the Thermometer 46°4; the latter being 3°4 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 5 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 49·7 hours; no rain was measured during the week.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnos is found after sojourn in the Hospital to have been erroneous.

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	CITIES	AND	Cols.	33 TOWNS.	LOWDON	WEST HAM	CROYDON.	BRIGHTON.	PORTSMOUTH,	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON.	BIRMINGHAM.	NORWICH.	LEICESTER.	DEBRY	BIRKENHEAD.	LIVERPOOL.	BULTON.	MANCHESTER.	SALFORD.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	CHEEDS.	HULL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
	900	-itago nI .aetres.	24.	0.30	0-0		0.00	00.0	0.0	8.0	1	ı	0.00	1	1.03	1 0	000	1	20.33	ı	1	1	1	1	ı	0.30	1 7	U-1/4	1 1	69.0	1	1	1
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STATE OF	n.	Centigrade.	22.	71.2	8.00	3 1	7.44	68.8	10.8	8.17		,	6.83	ı	21.9	- 00.0	000	1	68.9	1	1	1 1	1	1	ı	5.78	1 00.0	000		5.39	1	1	1
N7 40 8	Mean.	Tahrenheit.	21.	6.54	_	1 1	7.97	48.0	0.75	46.7	1	1	44.3	1	43.1	- 601 7	6 ##	1	44.4	ı	1	1 1	1	ţ	,	424	1 44.00	C ##	1 1	41.7	1	1 .	
ALO I MAN	-	ti Lowest.	20.	28.6	33.7		9.86	37.0	55.0	31.0	1	ı	31.0	1	9.08	- 020	± cc	1	34.9	1	1		1	ı	ı	31.5	1 6	110	1 1	30.0	ı	1	1
M TWMT		Highest.	19.	0.99	2.09	,	62.5	59.4	000	0.59	1	1	£.29	1	0.00	1 88	000	1	25.7	ı	1		1	1 '	ı	0.00	1 0.0	000	1 1	53.0	1	1	1
000	he Deaths.	From Diseases in Cols. 6-12.	18.	1.2	ř	6.0	0.4	1 0	0.0	1.0	Ξ	c.T	1	1.5	6.0	ତୀ ତ	1.5	2.3	1.5	3.5	3.0	4 00	3.7	1.5	φ. T	1.0	0.0	1.7	7.	2.0	1.8	6.0	6.0
per 1	corresponding to the Week's Deathe	From All Causes.	17.	16.5	16.0	9.01	15.5	17.3	0.06	15.4	6.01	14.1	17.0	9.91	14.7	14.1	8.6	18.1	9.05	19.9	39.8	9.21	1.91	13:1	C AT	10.2	18:1	18.5	14.9	9.71	17.2	13.2	L(-3
	'ц1	Uncertified Season Dea	16.	38	13	1	1	1	! !		ବୀ	1	ı	ı	1 -	- 1	- 1	1	∞	1 ,		ı i	7	ı	1	ł	1 1	ı	673	C1	}	c7 ,	-
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ı		Small-pox,	6.	<b>C3</b>	1	1	1	1 1	1	1	1		1	1	1	1 1	1	1	1	1	1 1	1	1	1	ı	1	1 1	1	1	c.1	1	1	1
	ths of	Persons aged 60 Years and upwards.	5.	942	387	10	15	91 ©1	19	539	11	٠ -	4 6	ë F	13	67	22	9	47	7. 2	17	t-	9	10	7 7	11	55	35	23	19	O t	L- L	3.6
	Deaths	Infants under I Year of Age.	4	908	277	15	00	ω <u>ς</u>	9	19	12	н	9 2	70	» μ	24	9	11	56	77 4	3 6	0	7	11 51	97	9 4	500	35	53	20	13	G 66	G
Registered during	1899.	Вівтия, раатие.	หว้	3616	1397	19	38	4 %	43	95	33	2	29	164	25.00	9 6	20	40	251	29	212	51	35	34	# 5	70 20	6 60	150	101	13	48	7.5	0
Register		Вівтик.	วร์	6119	2623	181	89	89 86	239	160	98	1 6	69	5/1	199	147	65	83	430	93	119	75	₹9	63	F Z	50	127	265	212	181	65	135	707
	PoruLATION estimated	to the middle of the Year 1899.*	1.	11,404,408	4,546,752	300,241	127,759	123,226	100,637	320,911	185,828	771600	88,821	119 000	002,611	239.384	106,401	115,162	634,212	162,221	218.544	150,772	113,081	135,154	200,111	103,464	236.241	423,889	361,169	234,270	145,613	106,552	ZEO,OZZ
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TABLE 2. LONDON.—Births and Deaths Registered in the EIGHTEENTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2712 1393 1319	2613 1373 1240	2658 1408 1250	2735 1394 1341	2625 1338 1287	2637 1288 1349	2837- 1421 1416	2565 1322 1243	2638 1365 1273	2449 1232 1217	2784°9 1424°0 1360°9	2623 1314 1309
TOTAL Deaths - Males Females	1386 729 657	1533 811 722	2069 1056 1013	1549 - 819 730	1576 805 771	1428 756 672	1395 729 666	1570 815 755	1323 720 603	761 703	1609·0 841·8 767·2	1397 705 <b>6</b> 92

The numbers in this column are the average weekly numbers in the eighteenth week of the ten years 1889-98, raised by 5 213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

	и по												
•	Feb. 11.	Feb. 18.	Feb. 25.	Mar.	Mar. 11.	Mar.	Mar. 25.	Apr.	Apr.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.
TOTAL Births	2802	2862	2752	2676	2627	2613	2480	2609	2554	2875	2759	2693	2623
TOTAL Deaths	1991	1686	1875	1925	1954	2099	2025	1922	<b>1</b> 816	1624	1499	1478	1397
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{array}{ccccccccccccccccccccccccccccccccccc$	430 210 109 252 399 472 119	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82
Deaths from— Small pox		27 4 40 38 - 16 - 11	32 7 29 55 1 13 -	36 .77 48 64 -9 -12	38 9 36 55 - 9 - 13	35 7 45 73 7 8	33 4 37 90 4 - 11	37 4 31 57 - 9 1 7	29 8 34 58 6 11	34 6 20 54 - 14 - 4 1	51 7 29 47 - 3 - 7	45 6 26 54 - 4 - 10	36 10 21 47. 7 12
All the above Diseases -	157	136	147	176	160	175	179	146	146	133	144	145	133
Dis, of Respiratory System - Phthisis	192 194 69 178	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 76 182 577	529 201 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473
TEMPERATURE OF THE AIR.  Mean	47.4	45.6 51.7 39.9	40.7 48.2 34.0	38·0 47·7 28·3	40.2 49.4 31.1	42·5 52·4 33·8	32·2 40·9 24·8	50·1 59·0 43·2	48·9 56·1 44·0	43·9 52·2 37·2	43·4 52·3 34·7	50.1 57.3 44.1	46.4 55.3 37.2
Humidity of the Air	. 83	82	81	79	73	87	68	77	77	80	75	76	67
Rain-fall (in inches)	1.19	0.72	0.02	0.01	0.07	0.00	0.11	0.37	0.49	1.27	0.43	0.79	0.00
Registered Sunshine (in hours		22.0	58.9	34.1	43.7	19.7	31.3	19.5		21.9	26.5	17.8	49.7
CASES OF INFE	ctious	SICK				S* AT	THE	END O	FEAC	H WE	EK.	1.3	
Small-pox	2642 1378 228	2587 1403 231		2584 1374 207	2540 1313 193	1261	1200	1165	2235 1126 139	2126	2144 1034 125	2131 997 124	2139 1040 118

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the dispetal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Eq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Eq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4. EIGHTEENTH Week of the Year 1899.

				EI	GH	TEE	ENT	H	Wee	k of the Year 1899.									
	r the years		In	the	Wee	ek en 1 Maj	ding	99.			r the years		Sat	n the	e We	ek e	ndin ay 1	g 899.	
	ges for the 10 5*.		De	aths	of I	Person ges	ns o	t			ges for the 10 8*.		D	eath	s of the	Pers Ages	onso	£.	
USES OF DRATH	Averages ek of the 1889-98*.	on a	τ	Inde	r	ler 40.	ler 60.	ler 80.	and s.	CAUSES OF DEATH	Averages k of the 1889-98*,	80.	1	Unde		under 40.	under 60.	der 60.	and B.
	Corrected 18th Week	ALL AGES	0-1	1-5.	5-20.	20 and under 40	40 and under 60	60 and under 80	80 years upwards.		Corrected 18th Week	ALL AGES	0-1.	1-5,	5-20.	20 and unc	40 and unc	60 and under	8c years upwards.
AUSES	1609.0	1397	277	165	84	202	282	305	82	Diseases of Circulatory System }	138.1	145	-	3	7	23	38	60	14
l- {Vaccinated† - Unvaccinated No Statement t Fever	0.6 0.4 0.6 83.3 16.1 0.1	36 10	7	26 9			111111	111111	111111	Croup	4·3 159·2 129·4 7·6 22·9	1 111 112 4 23	1 23 17 - 1	33	1 6 1	3 11 1 2	15 23 1 5	49 19 2 9	3
sing Fever	30·4 64·5 34·2 0·3 7·8 0·1 16·6	15 47 21 - 7 - 12	19 3	27 12 - - 1	1 6 - 1	9 - 5	5 - 1	8 4	2 1	Dentition Quinsy, Sore Throat - Enteritis Peritonitis Diseases of Liver Other Diseases of Digestive System	11:4 1:8 11:0 6:8 25:7 33:4	4 1 17 4 38 27	2 13 - 1 4	1 1 1 1	1 2 1	1 2 6 7	- - 24 7	- 2 - 3 5	_
tent Fever phobia	0.2	6	- - - 4	-	- - - 1	11111		- 1	1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	1.9	1			-	-	1	_	
ia and Septicæmia eral Fever Zymotic Diseases	4.4 1.8 4.0 2.0	2 1 4 2	1 -	-  -  -		3	1	1 - 1	1 1 1 1	Diseases of Urinary }	44.0	39	-	1	2	5 	18	10	3
h sand other Para-)	1·1 0·4	-		-	-			-		Diseases of Generative System Accidents of Childbirth-	5°3 5°2	2 3		- 		1 3	-	1 1	1
al Diseases - )				-	-	-				Diseases of Locomotive } System }	6.5	5	-	2	1	-	1	1	- -
tion, Want of test-milk	2·1 9·2	1 12	1 -	-	-	3	7	2	-	Diseases of Integumen- tary System-	5*6	5	-	1	1		1	1	1
natic Fever, umatism of Heart } natism	5.6 1.7 4.0 6.2 67.3 18.0 25.8 160.2 22.1 12.8	4 2 3 2 71 19 15 145 30 11	1 10 7 1 7		2 4	1	2 - 34 - 49 2	1 1 27 - 13 2 3	3 - 1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways	50.7	1 9 1 4 - 7		1 - 2	2 -	1 2 - 4	1 2 -	- 2 - - 1	1
ature Birth	46.6 2.7 8.5 47.2	62 4 3 60	62 4 2 -	j -	1	-	- - 1	31	28	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes		6 14 3 20	14 - 2		1 3	1 2	1 5	- (	1
exy	42.4 7.4 24.5 85.0	33 10 23 67	21 12		1	-2	10 4 - 13	4	-	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1°1 10°5	3 4 1	1 -		1 -	2 -	1	1 1	
ses of Organs of a lal Sense -	2.2	1	-	-	-	-	1	1	-	OTHER CAUSES	39.9	31	29			1	1	-	-
ne numbers in this co	olumn ai	e the	ave	erag	e w	reek	lyc	lea	ths	or the ten years 1889-98, rais	sed by 5°.	213 pc	er c	ent	. fo	r in	cre	ase	

ne numbers in this column are the average weekly deaths for the ten years 1000-10, talsed 10, 1000 pulation.

Illy those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered all men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." en evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ant, murder, manslaughter or suicide. All such causes are classed under "accident,"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHGA, VIOLENCE, &c., registered in ex SUB-DISTRICT during the Week ending Saturday, 6th May, 1899.

Marine Committee Committee		The DEATHS registered during the Week include  Deaths of Deaths from															
	Enume-			Dea	thsof					Death	s fro	m					tions
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATES.	Infants under 1 Year of Age.	ged 60 Y	Snall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-ecugh.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoa.	Violence.	Inquest Cases,	Deathsin Publicantitutions
LONDON -	4,411,710	2623	1397	277	387	_	36	10	21	47		7		12	73	131	473
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	426 607 121 510 959	250 315 88 244 458 42	51 54 22 53 97	77 85 15 62 134 14		1 6 1 14 14 14	1 2 - 6 1	3 8 - 1 9	8 11 4 10 14 -		- - 2	-	3 2 3	19 19 7 10 18	31 31 13 31 25	81 108 28 97 117 42
WEST DISTRICTS.  St. Mary Paddington G. & W. WHH St. John Paddington H G.	90,996 33,510	53 10	38 12	11 -	11	-		-	-	2	-	-	1.71	1 . 1	1 2	3	7 5
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	66 10	50	9	16 4	-	-	-	1	2	-		<del>-</del>	-	2 -	4.	18
North Hammersmith $\uparrow H$ South Hammersmith $\uparrow H$ W. & G $\uparrow$ Fulham $Wvv = -$ W. & C.	44,638 59,561 113,781	34 33 102	13 15 33	5 2 9	3 5 8	-	-	- 1	- 2	- 3	-	-	-		2 2 6	2 3 6	- 4 9
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HE - C.	21,450 42,057 33,139	12 25 20	18 5	- 3 2	2 6 -	-		+	1 1 1	-		-	-		- - -	- - 1	11
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	6 21 17 4	13 19 5 13	1 3 1 2	7 6 1 3	-	1		1111	1	1 1 1 1	-	1 1 1 1	1 1 1 1	- 3 - 1	5 3 1	12 8 - 5
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N.	23,050 12,048	8 5	8	3 -	2	-	-	-	-	-	-	-	-	1 -		-	2 -
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHH GROUP Amylebone W Graw W. St. Mary Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	17 3 17 15 17	17 6 4 2 5	- 2 - 1	3 4 3 - 2	-			1-	1		-		1 1 1 1 1	1 · · · · · · · · · · · · · · · · · · ·	1 1 - 3	10 5 -
$\left.\begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array}\right\} - \text{N. & W.}$	75,449	30	20	5	3	-	-	1	3	-	-	ĺ	-		1	2	8
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	37,341 26,757 29,426 32,161 16,669 98,410	23 16 16 15 14 55	17 16 10 7 30	3 6 1 5	4 4 2 2 3 7		1 -	-	1	1 1			-	1	2 2 1 2	- 2222	1 11 9 2 6 8
$\left.\begin{array}{c} \text{Upper Holloway} \\ WWWwHH} \\ \text{Islington South-wes} & \text{H} & - \text{N}, \\ \text{Islington South-fast} & - & \text{N}, \\ \text{Highbury} & HH & - & - & \text{N}. \end{array}\right.$	98,273 107,365 66,549 64,577	62 77 41 40	35 28 18 17	4 4 4 4	11 5 6 4	-	1 - 1	-		1 5 - 1		- 1	-	- - 1	1 616 1	2 4 -	23
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$\left\{\begin{array}{c} 14 \\ 24 \\ 24 \\ 41 \\ 46 \end{array}\right.$	5 12 19 17 24	12543	3 4 5 4 6		2 1	- - - 1	3 -			2 -		- - 1	ī - 1	1 5	- 6 7 11

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District at that that in which it stands; R—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signi Grand Junction Company; W. West Middlesex; C. Ohelsea; S. Southwark and Vauxhall; L. Lambeth N. Niver; E. East London; and K. the Kent Company.

\* See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASUES, SARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each STB-DISTRICT during the Week ending Saturday 6th May, 1899—continued.

78-DISTRICT during the We	ek ending	z saluu	ruay	ош	may	, 18	99-	-con	tini	eu.								
							Th	e DEA	THS	regist	tered	durin	gthe	Weel	rinel	ude		
	Enume-			Deat	hsof				1	Death	s from	m					utions	of
EGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896,	Total BIRTHS.	Тота   Вилтия	Infants under 1 Year of Age,	Personsaged 60 Years and upwards.	Smarl-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa.	Violence	InquestCares	Deaths in Public Institutions	Uncertified Causes Death
CENTRAL DISTRICTS.  George Bloomsbury N.  Giles South $WH$ N.  Hiles North $H$ N.	16,110 12,976	3 14	1 4	,1	- 2	-						-		1.1	-	ī	- a	1.1
Hiles North $H$ - N.  fartiu-in-the-Fields $HHN$ . & C.  and $WHH-$ - N.  and Union Workhouse, Edmonton	13,077 11,839 +1,037	7	10 7 -	1 1 -	- 1 -		1 1 1 1	1 1 1	1 1 1 1	1 1 1	1 1 1	-	-	1 1 1	2 -	3 1	4 3 -	1,1,1
born wHHHHHHHH - N. ames Clerkenwell - N. well Clerkenwell - N. well-street - N. r-road HHHL - N. tecross-street - N. bury - N. born Union Workhouse, itcham N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	12 9 15 8 26 3 1	- 13 2 4 6 9 3 1	6 1 2 1	2 3 2 1	-		1.11.11.11.11	1 1 1 1 1 1 1	1 1		1		1,111111	1	2	6 2	1
Botolph H N. & E. plegate N. Sepulchre WH N. sallows Barking N. ad Street H N. of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	2371	3 17 3 -	1 1 3	1 3 -	1 1 2 1 1	1	11111	111,111	1	71171	11111	11111	11111	31	5	10	
EAST DISTRICTS.  reditch South $Hl = E.\&N.$ ton New Town $w = -N.$ ton Old Town $ + N.$ gerston $WH = -N.\&E.$	17,975 29,575 27,645 47,163	8 13 17 39	3 15 9 21	1 2 4	- 9 1 3	1111	- 1 1	1111	tons tons dent John	- - - 1	1,11			1	111	222	3 10	
hnal Green North $H$ - E. hnal Green South - E. hnal Green East $WHl$ - E.	49,301 34,194 45,667	32 25 27	13 12 11	4 3 1	3 2 6		4	11.11	1.1.1	-	1 1 5	-		1 1 1	1 1	5399	1 9	1
talfields $\sim$ - $\sim$ E. & N. e End New Town* $WH - \sim$ E. dman's Fields* - $\sim$ E.	26,681 51,995 {	28 24 9	32 2	- 6 1	3 1 1		ī -	111		ĩ	1.4.1	-	-	1 1 1	2	1 4 1	24 -	4.1.1
George's North E. John, St. George East W E.	39,576 7,930	38 14	11 2	5 ~	1	-	2 -		- 1	-	-	-	-	-	1	. 1	2	-
dwell $H$ E. & N. cliff $W$ E. achouse E.	10,434 14,954 32,917	$\begin{array}{c} 7 \\ 10 \\ 21 \end{array}$	8 3 9	5 1 1	- - 1		1 - 2	1 1 1		ī	1.1.1		-	111	1:	2 -	7 -	-
e End Old Town West H E. e End Old Town East - E.	} 111,060	{ 42 39	11 24	<b>4</b> 2	1 15	-	1	-	-	-	*- <u>-</u>	-	-	1	1	1	15	
w $l$ $   E$ . $m$ ley $wwH$ $   E$ . $p$ lar $WW$ $    E$ .	41,687 69,821 57,759	27 41 49	3 40 11	1 11 1	10 4		1 -	111	- 1	5			-	ī -	- 1 1	3 3	20 1	1 1 1

TABLE 5 LONDON,—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 6th May, 1899—continued.

-								The	DEAT	HS re	gister	red di	iring	the W	eek i	nelud	е	
I		Enume-			Dear	hsof				]	Death	s from	n					utions
	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	Soarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deaths in Public Institutions
	SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borongh-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	9 3 18 9 15 18 36 14	3 4 6 5 6 14 7	1131133	1 1 7 1 7 1		1			1111			2000	1111111	111111	1 - 2 -	1 - 2 - 3 -
п	St. Olave WH S. Bermondsey W S. Rotherhithe WwH - S.&K.	11,731 85,475 40,379	7 62 19	13 18 19	246	3 7 2	1 1 1	1 1	1 - 1		1	-	-		-	1 - 2	2 1 2	11 2 3
l	Waterloo-road $HH$ - L. & S. Lambeth Church 1st $H$ - L. & S. Lambeth Church 2nd $WW$ L. & S. Kennington 1st $H$ - S. & L. Kennington 2nd - S. & L. Brixton $w^{\bullet}$ - L. & S. Norwood $WH$ - L. L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	36 12 27 22 19 50 19	7 13 20 10 10 20 6	2 3 6 3 1 3 2	1 6 3 2 6 3		2 3 -	1	- 1 -1 -	- 21	1111111	1	1 1 1 1 1 1	111111	221	221	7 10 † †
	East Battersea S. West Battersea   WWH S. Clapham   H S. Wandsworth   WHHL S. Putney S. Streatham   WwwwL L.	71,730 93,385 46,953 58,101 20,566 61,644	33 44 23 35 11 30	14 22 7 13 10 20	44 - 324	3 6 4 3 4 8		2	- - 1	-1		11111	11111			3 1 - 1	2 2 1 1 1	11 - 4
ľ	Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 50 49 48	1 48 18 14	- 2 4 6	1 21 7 3	-	1		- 1	- - 1	1 1 1 1			1	1	1 1	36
١	Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	22 27 15 15 33	9 15 3 3 23	3 2 1 - 2	1 .4 1 1 5		  1	ī - - -	1 3 -	2	1 1 1 1	1	11111		1	1 1	- 4 - 12
ı	Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	$\begin{array}{c} 2 \\ 11 \\ 20 \\ 20 \end{array}$	1 - 4 18 18	- 1 1 4	- 1 5 3	-	- - 1	1	- 1 -	-			-	1111	- 1	- 1 -	- 8 -
ı	Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	10 9 15 7 34	4 6 4 13	- 2 1 6	- 2 1 4	11111	1	2			-	11111		- 1 -	-		3 1
	Banstead Asylum Caterham Asylum Cane Hill Asylum			6 3 1 - 3 5 - 4 5 5 11		1 - 3 - 52	11111111111		1									631-3-45-1811

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 6th May, 1899.

end	ling Saturday, 6th May, 18	199.																
								The	DEA'		egiste			Week	inclu	de		-
on et i et	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enumerated Population, 1891.	BIRTHS.	DEATHS.	Infants under 1 Pear of Age.	Persons aged 60 F	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough, H	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death,
ON	DON-OUTER RING -	368,749	1,422,063	1103	441	108	116	-	n	3	14	15	6	5	14	23	63	3
1 2	Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	14	2	-	-	-	-	1.1	-	-	-	-	1 1	T	.51	-
1	Godstone, part of W -	2,754	1,598	-	1	-	1	-		-	-	-		-		4	-	-
1 2	Croydon WwHHH = = Mitcham w	20,851 11,697	128,699 23,072	80 10	54 4	13	20 1	-	-	-	1 -	1 1	-	-	1 7	3	15	-
12345	Wimbledon $HHH$ Kingston $WH$ Surbiton $H$ Esher, $part of^*$ $HH$ Hampton $HL$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	22 28 5 9	7 11 2 5 5	4 4 - 1	1 2 4 3	11111	11411	12.1	11111	1	1 1 1/61	1	1 1 1 1 1	1	- 2 1 -	11111
: 1	Richmond WH	2,160 2,823	25,389 16,159	12 6	8	1	2 -		-	-	-	1	=	1.1	-	-	4	-
1 2 3	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	20 16 9	11 5 8	3 2 4	4 2	- -	-	1 -	-		1 -	1 -	- 1	-	1 4	-
: 1	Bexley HHH Dartford WH, part of -	12,540	30,590	27	6 2	2 -	1	-	-	-	-	1 -	-	-	1	1	2	ī
: 1	Sunbury w Staines WH	11,054 13,277	13,671 13,221	12 8	4 5	1	1 4	-	-	2		-	-	] ·	-		1.74	. 7.
:123	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	858	6 3 3	2 -	1 1	-	-			-	1 -	-	- 1	ī	4 4 -	- 1
:12345	Isleworth WHH Twickenham HH Brentford HHHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	25 8 21 16 20	10 2 5 7 15	1 1 2 4	5 1 3 1 2		1111	11111	1	1 2	- - 1	1		11111	3 - 1	11111
:1234	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	13 3 63 8	7 2 15 2	1 1 6 1	1 -		2 - 2 -			1 1			1 - 1 -	1111	4	ī
:123	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	6,367 14,152 25,820	12 12	1 - 5	-	1 6	-	-		-	-	-	-		-	-	1 - 1
:1 2 3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,489	6,066	4	14 27 12 11 1 1	221	8 6 1	-	1	-	1 2 -		2 -		-	-	4	-
:1	Hatfield, part of * W-	3,306	1	1	-	1	-   -	-	-	-		-	-		1			
:1	Bushey H Watford WH, part of	9,331	7,737		1 -			-		-		-	-		-	-	1	-
3:1 2 34 5 6 7	Canning Town H - Forest Gate w	3,260 4,336 6,500 11,77	53,51 32,71 70,18 57,33	74 39 29 67 49 54	8 177 177 13 199 244 277 8				-   1	3 -	- 1	1 1 1 2			- 4	3		1 - 1
2	Epping WH, part of *-		-	-	-		-		_	1	-   -							1 -
9:1	Ilford	- 8,49 - 3,81	3 10,91	3 15	1		3	- 1		-	-   . :		-		1	-1	-   -	1 1 -
٠.	Streatham. London Co. Lunatic Asy		-	-		-		1	-	-		-	-	-	-	-	-	1 -
	Cane Hill. London Co. Lunatic Asy Hanwell.			-	1		-	1	-	-	-	-	-	-	-	-	-	1 -
* T	ne parts of sub-districts inclusion follows: -30: 2, Epsom sub-	ded with -district	in that po	rtion o	f the I	Metr Asht	opoli	tan I	Police 1,35	e Di	stric 37:1	t wh	ich:	form	s the	Wan	ter I	Ring

The parts of sub-districts included within that portion of the Metropolitan Police District which forms in Guter thing eas follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham d Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst b-district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in b-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping op. 1,079); 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for testing the Court of Chemical Court of Chemical Court of Chemical Chemi

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 6th May, 1899.

				L RATE			The D	EATH	S regi	istere	l in <b>t</b> h	e We	sk inc	lude	1	
Charles and Charles	Area	Population estimated	of Mon per 100	0 living.	DEATHS	Dea	ths of				Death	s from	n,			blic
GREATER LONDON,	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Pu
Cols.	1.	2,	- 3.	4.	5	6.	7	8.	9.	10	11.	12.	13.	14.	15.	1
GREATER LONDON	443,421	6,528,434	14.7	1.2	1838	385	503	-	47	13	35	62	13	17	87	53
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	16·0 11·6	1.5 - 1.4	1397 441	277 108	387 <b>1</b> 16	-	36 11	10	21 14	47 15	7 6	12 5	73 14	47

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

			aı	nd i	in certain	Foreign	CITIES.							
		POPULATION	Dir				ANNUAL	DE	ATHS		PRI DISEA		L ZYM	OTIO
	CITIES	(enumerated or estimated).	DATE OF RETUR Week endi		BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-	Fever.	Disarrhosal
	EDINBURGH - GLASGOW DUBLIN	298,927 733,903 349,594	May	6 6	180 511 218	105 284 166	18·3 20·2 24·8	-	1 14 -	2 -	2 1	8 5 4	1 2	-
	CALCUTTA BOMBAY MADRAS	466,460 821,764 452,518	February April March	18 11 17	- 158 -	361 1655 -	40·3 104·7 –	6	117 -	?	?	?	174† 784† -	10
	PARIS BRUSSELS	2,511,629 551,011	April	29 29	1104 247	981 175	20·3 16·5	-	31 2	3	8* 1*	12	21 1	2
	AMSTERDAM - ROTTERDAM - THE HAGUE -	512,758 311,301 196,325	99 - 99 - 19	22 22 22	287 223 91	119 111 52	12·0 18·4 13·6	-	-	1 1 -	- 1 1	2	2	-
	COPENHAGEN - STOCKHOLM - CHRISTIANIA -	345,000 283,550 203,337	97 39	29 22 29	173 155 127	127 107 62	19·2 19·6 15·9	-	1 5	2 2 1	2*	3 -	2 -	
	ST. PETERSBURG MOSCOW	1,132,677 988,610	27  33	22 22	598	546	25·1 -	2	8	1 -	12	4 -	15 -	5
1	BERLIN DRESDEN	1,805,054 675,351 389,300	" March	15 29 18	898	658 233 173	19.0 17.9 20.4		11	11 2 -	11 - 2*	8 4	1 -	26
-	Breslau Munich Vienna	406,012 445,000 1,606,629	April "	29 22 29	332 898	228 716	- 26 <sup>.</sup> 6 22 <sup>.</sup> 9			- 1 14	4*	2	-	20
-	PRAGUE BUDA-PESTH - TRIESTE	380,497 666,722 165,913	99 · 97 99 ·	22 22 22 15	220 443 94	238 313 106	32·2 24·4 33·1	-	27 8 17	2 4 5	15* 2 3	1 2	1 1 5	15
HOCH	ROME TURIN (11 days) VENICE	500,610 344,203 169,883	,, March April	15 31 22	216 212 65	138 244 130	14·4 23·2 39·9	-	9	-	1 4	1 9	3 -	1
I	CAIRO ALEXANDRIA -	570,062 319,766	February	18 18	-	-	-	-	-	-	- - -		-	-
STIC	NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053 1,266,832	April	15 15	-	520	- 21 <b>:4</b>	-	-	- 4	18	- 5	- 38	-

Including deaths from croup.
 Including 3 deaths from plague in Calcutta and 654 in Bombay.
 Including 16 deaths from cholers in Calcutta and 3 in Bombay.

								M	lete	eorol	ogic	al	Ob.	367	rvatio	ns.				
	Ozone.			0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.3	26		. 000	is of party	cars the	The	oles.	and	
in a		surraceis 5 inches above the Ground.		-005 -005	00.0	0.00	0.00	0.00	0.00	0.00	Sum 00.0	25		ofthor	The means of the wet bulb	wenty y 868 for momete	minim mn 8).	rical Tal bservati movem	tigher,"	
	on's.	Departure from Average of 16 Years.		M1168.	∞ 1	1 28	+ 51	- 19	- 19	62 +	Sum + 93	24		owol woo	P.M. T and th	ng the transfer of the transfe	air (colu	grometi of theo rizontal	cates" /	
	Robinson's.	Horizontal Movement of the Air on each Day.		Miles. 299	251	559	306	235	234	331	Sum 1885	23		midnight.	o sea leve M., and 9h, mometer,	tade durity years e	maxim ire of the	isher's Hy discussion hat of ho	lat + indi	The months
	the t.	Mean of 24 hourly obs.	,	10s. 0.3	0.0	0.0	0.5	1.0	0.0	0.3	:	22		ht to 1	duce to the to the to	went of th	of the	by Glaron aron and t	ind th	20,000
	Pressure on the Square Foot.	Least.	;	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21		nidnig	s to re noon;	the	lings of tem	rived f	e in n	- mod
	Pres	Great-	-	3.5	9.1	1.3	3,0	2.2	9.1	3.1	:	20	-	from r	ading A.M.; 1e dry	graphi luring	read ralue degree	hat de	born	From T
Osler's,	General Direction.	P.M.		N. ENE.	SSW.		NE. ENE.	ENE. E. &	ENE. & E.	E, ENE.	Variable & NE.	18		The results apply to the civil day, or from midnight to midnight. The height of the cistern of the borometer is 150 feet shows the moon loved of the sea.	to correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry builb thermometer, and the wet builb the bring the eyer-readings of the barometer, the dry builb thermometer, and the wet builb the properties are converted into mean do it well as the small social of converting into mean do it well as the small social of converting the mean do it well as the sea builb.	deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the theorimometers. With the corrected mean reading of the dry bulb thermometer is	combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of femperature of the air (column 8). The mean daily dew point temperature and derree of humidity are deduced from the mean	daily values of the dry and wet bulb thermometers by Glasher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the armometric records for the 1875.	In reading columns 9 and 24 it will be borne in mind that 4 indicates "higher," and "lower," than the average.  "lower," than the average.  "The values given in column II are not corrected for the index server of the thermometer.	hick cannot be determined.  The record of Electricity is derived from Thomson's colt.
The state of the s	Generall	A.M.		W.&N.	SSE, SE.	SW. WSW.	E. & NE.	53		NNE. & ENE. & ENE.	Variabl	18		pply to the	as been appl are usually gs of the b	r the baron With the	corrected reforming the very temp	thedry and emperature wich during a discussion	In reading columns 9 and 24 ". "Lower," than the average. The valuesgiven in column	which cannot be determined. The record of Electricity is
	Of the Earth	below the Surface.	0	47.89	48.13	48.30	48.49	48.68	48.61	48.42	98.36	17		esults a	ection b vations -readin	deduced from a ending 1873 for thermometers.	ed the meters, aily dev	verage t verage t Green	ding co	annot b
44	tion.	Lowest on the Grass.	0	31.1	29.8	39.4	29.3	24.9	97.9	30.5	30.4	16		The r	no corr Obser the eye	deduce ending thermo	combin thermo mean da	daily ve Thear made ar	In rea	which c The re
JO.	Radiation	Highest in Sun's Bays.	0	114.0	8.001	104.7	108.8	130.1	130.3	127.0	116.5	, 15.			in early Cloudless				ü	
Degree	midity (Satu-	rauon equals 100).		64	13	70	7.5	65	6-4	09	19	14	Ø	° C		morning; generally cloudy	1000n	Overeast in morning; fine and partially loudy till afternoon; cloudless and very ine afterwards.	frost	ing.
_	T	Least.	0	3.2	5.0	5.5	5.0	1:2	2.2	2.5	2.6	13	GENERAL BEWARES		light showers fine afterwards.	gener	Generally cloudy; fine in forenoon	fine ar oudless	Hoar	Very fine. Hoar frost in morning.
he Air Temperature and Dew Point	rempersure,	Great- est.	0	17.4	13.2	16.3	15.6	17.8	16.4	19.8	9.91	12	TRE		light sh	ning;	fine i	uing; on; cl	generally.	rostin
+2		Mean daily value.	0	11.6	8.5	9.6	9.8	11.2	11.4	13.2	9.01	11	NEBA	TATE AT		in mor	loudy	morr iternocis.		Hoar f
Of the Dew	point.	Mean daily value.	0	32.0	38.0	43.2	36.3	32.1	34.2	34.8	35.8	10	A D	5	ly with g; very		rally c	east in till af erward	fine g	fine.
	DA.	P. A. 05	c	- 5.4	- 2.7	+ 3.4	- 4.8	1.9 -	- 4.7	1 2.6	3.4	6			Cloudy morning;	Very fine afterwards.	Gene	Overcast in cloudy till after fine afterwards.	Very fi	Very
ir.		Mean daily value.	0	43.6	46.2	52.8	44.9	43.3	45.6	48.0	46.4	000	shove	hours,	14.7	14.8	14.8	14.9	15.0	15.0
Of the Air.		Daily Range.	0	15.4	19.9	15.0	9.91	19.4	19.9	21.7	181	7	red Sun	rs. in						
		Low- est	0	36.5	35.3	45.7	38.5	33.7	34.3	36.2	37.2	9	Registered Sun above	in hou	1.6	0.3	6.61	99	9.6	12.2
		High-	0	6.19	55.2	2.09	53.8	53.1	54.5	58.2	55.3	2			at -	out -	- me	P.M. ;	ı	1
Mean	reading (cor-	and reduced to 32° Fahren-heit).	5	29.991	29-935	29.727	59.906	30.110	30.231	30-227	30.018	4	ELECTRICITY,	symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. throughout	till 9h. 1 erwards	w. P. generally	w. P. generally
Phesos	ofthe	Moon,		:	Perigee	Last	Juarter.	:	In	rd nator		60	ELE (For ex	eympo	w. P. t	w. P. t	w.P.t	w. P. till 9h. P.M.; m. P. afterwards.	м. Р. g	w. P. g
		9		30		63	ಣ	4	20	9	1	- ut			30	Н	67	en	4	2
1899.		HONTH AND DAT	APRIL,	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	APRIL.	SUNDAY -	Monday -	TUESDAY -	Wednesday	THURSDAY-	FRIDAY -

Slight hoar frost in

A very fine day.

12.0

12.7

w. P. throughout -

9

SATURDAY-

Sum 104.2

Sum 49.7

29

28

27

No. of Col. -

The record of Electricity is derived from Thomson's self-registering Electrometer. S. the symbols employed are—P. positive; N. negative; w. weak; m. moderate; Thom symbols employed are—P. positive; N. negative; w. weak; m. moderate; The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The reading of the barometer increased from 2977 in, at the beginning of the week to 3070 in, by 11h, P.M. on the 30h of April; decreased to 2970 in, by 6h. A.M. on the the end of the week.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE,
By DARLING & SON, Ltd., 1-3, Great St. Thomas Apostle, EQ

1899.

# WEEKLY RETURN

#### LONDON DEATHS IN BIRTHS AND

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 19. 1899. Vol. LX.] WEEK ENDING SATURDAY, MAY 13. [Price  $1\frac{1}{2}d$ .

> General Register Office, Somerset House, May 15th, 1899.

# THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 17.7 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	7	Veeks	ending	g	Ī	is the second of	1	Veeks	endin	g
Towns.	Apr. 22.	Apr. 29.	May 6.	May 13.		Towns.	Apr. 22.	Apr. 29.	May 6.	May 13.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	15·8 20·8 21·6 20·9 17·2 22·0 18·2 12·9 11·8 15·1 16·7 16·1	17·2 20·6 18·9 15·8 16·6 15·7 14·0 12·5 14·0 13·9 16·7 11·3 17·1 17·1 18·0	16·6 13·1 19·9 18·1 17·3 15·4 16·1 10·9 15·5 9·8 13·2 18·7 18·6	17·7 15·5 17·4 19·3 21·0 15·7 15·4 18·0 15·4 13·5 14·2 21·2 21·3 6 16·9		Leicester Liverpool London - Manchester Newcastle-or Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverham	23·4 17·2 22·4 22·6 13·4 18·5 20·1 21·8 15·0 18·2 18·6 17·8 21·1 13·1 18·2	20·9 16·9 23·2 16·6 15·7 19·2 19·4 16·1 19·5 18·4 18·0 22·9 13·1 15·5	14·1 20·6 16·0 20·3 17·3 14·7 15·2 17·6 22·3 14·8 19·5 19·8 11·2 11·2 11·2 11·3 11·3 11·3 11·3 11·3	16.4 24.9 16.9 12.9 20.3 19.0 21.3 26.8 20.3 11.3

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.7 in Salford and 2.1 in Manchester; from scarlet fever, 1.1 in Bradford; from whooping-cough, 1.4 in Burnley, 1.6 in Plymouth and in Hull, 1.7 in Cardiff, and 1.8 in Birkenhead. In none of the thirty-three towns did the death-rate from "fever" or from diarrhæa reach 1.0 per 1,000. The 82 deaths from diphtheria included 40 in London, 8 in Leicester, 5 in Liverpool, 4 in West Ham, 4 in Leeds, 3 in Salford, 3 in Burnley, and 3 in Sheffield. One death from small-pox was registered in Hull, but not one in any other of the thirty-three towns.

By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

In LONDON\* 2574 BIRTHS and 1428 DEATHS were registered. Allowing for increase of population, the births were 114, and the deaths 172, below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17.2, 16.9, and 16.0 in the preceding three weeks, rose again last week to 16.4. During the four weeks ending on Saturday last the death-rate averaged 16.6 per 1000, being 2.3 per 1000 below the mean rate in the corresponding periods of the ten years 1889-98.

The 1428 deaths included 49 from measles, 2 from scarlet fever, 40 from diphtheria, 39 from whooping-cough, 8 from enteric fever, 9 from diarrheea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 147 deaths were referred to these diseases, being 67 below the corrected average

weekly number.

The deaths from measles, which had been 51, 45, and 36 in the preceding three weeks, rose again last week to 49, but were 28 below the corrected average; 9 cases belonged to Islington, 7 to Hackney, 7 to Lambeth, and 4 to Limehouse sanitary areas. The deaths from scarlet fever, which had been 7, 6, and 10 in the preceding three weeks, fell again last week to 2, the corrected average being 15. The deaths from diphtheria, which had been 29, 26, and 21 in the preceding three weeks, rose again last week to 40, and were 3 above the corrected average; 4 cases belonged to Newington, 3 to Lambeth, 3 to Camberwell, 3 to St. Pancras, 3 to Hackney, and 3 to Clerkenwell sanitary areas. The deaths from whooping-cough, which had been 47, 54, and 47 in the preceding three weeks, further fell last week to 39, and were 21 below the corrected average. The fatal cases of *enteric fever*, which had been 3, 4, and 7 in the preceding three weeks, were 8 last week, the corrected average being 7; 2 cases belonged to St. George, Hanover Square sanitary area. The deaths from diarrhæa, which had been 7, 10, and 12 in the preceding three weeks, fell again last week to 9, and were 5 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 277, 294, and 251 in the preceding three weeks, rose again last week to 257, but were 53 below the corrected average. The deaths attributed directly to influenza numbered 29, having been 39, 41, and 25 in the preceding three weeks.

Different forms of violence caused 83 deaths, concerning all but 1 of which inquests were held. Of these 83 deaths, 8 were cases of suicide, and 1 of homicide, while the remaining 74 were attributed to accident or negligence. Ten of these were referred to vehicles in the streets, 3 to the effects of chloroform (which in two cases had been administered for surgical purposes, and in the other case had been self-administered to relieve pain), 6 to drowning, and 12 (of infants under one year of age), to suffocation

in bed.

## CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2210 cases of scarlet fever, 1065 of diphtheria, and 107 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 259 cases, against 189, 226, and 219; of diphtheria, 149 cases, against 108, 110, and 182; and of enteric fever, 11 cases, against 16, 21, and 15.

<sup>•</sup> Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of eaces the diagnos is found after sojourn in the Hospital to have been erroneous.

#### GREATER LONDON.

In Greater London 3658 births and 1893 deaths were registered, corresponding to annual rates of 29.2 and 15.1 per 1000 of the estimated population. In the Outer Ring 1 death from small-pox, 7 deaths from measles, 1 from scarlet fever, 10 from diphtheria, 19 from whooping cough, 2 from "fever," and 5 from diarrhœa were registered. The death from small-pox occurred in the Small-pox Hospital in South Mimms sub-district. Six deaths from diphtheria occurred in West Ham district, and 4 in Edmonton district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.78 inches, and that of the The mean reading of the Barolheter last week at Greenwich was 25 75 inches, and that of the Thermometer 50°9; the latter being 0°6 below the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 9 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 43°0 hours; the measured rainfall amounted to 0°01 of an

### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of April 1899. The supply was in the ratio of 221 gallons to one service.

	Number of	Services.	Daily Suppl in Gal	y of Water lons.
COMPANIES.	APRIL, 1898.	APRIL. 1899.	APRIL, 1898.	APRIL, 1899.
TOTAL SUPPLY	858,455	878,960	199,881,171	194,069,341
From Thames	413,164	421,620	105,831,751	104,087,846
	445,291	457,340	94,049,420	89,981,495
THAMES.  Chelsea	37,905	38,232	11,401,435	11,795,645
	82,310	83,892	20,209,492	19,919,910
	121,528	122,592	31,791,240	31,543,663
	62,269	64,202	18,744,284	18,015,648
	109,152	112,702	23,685,300	22,812,980
LEA AND OTHER SOURCES.  New River	163,781	166,344	34,420,031	35,111,638
	194,328	200,303	43,973,735	39,116,071
	87,182	90,693	15,655,654	15,753,788

Note.—The Return for April 1899, as compared with that for the corresponding month of 1898 shows an increase of 20,505 services and a decrease of 5,811,830 gallons of water supplied daily.

# ANALYSIS OF METROPOLITAN WATER SUPPLY DURING APRIL, 1899.

Water-analysis Laboratory, The Yews, Reigate,

6th of May, 1899.

SIR.

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of April.

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing

I append, also, the results obtained in the analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

## Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

or L	COMPANIES OCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
	4.										
	THAMES. ((Unfiltered water) -	April 17th Grand Junction Co.'s intake at Hampton.	9.7	29.84	•227	.048	*006	*224	*277	1.7	20.9
	Chelsea	April 21st, Cab Rank, Horse Guards, Whitehall.	9.3	28.52	.122	.018	0.	·237	·2 <b>5</b> 5	1.6	20.0
	West Middlesex -	$\left\{ \begin{matrix} \text{April 21st,} \\ \text{Cab Rank,Riding House-} \\ \text{street.} \end{matrix} \right\}$	9.5	26.60	.148	.015	0	214	•229	1.6	18:3
	Southwark	April 21st, Cab Rank, St. George's Church, Borough.	10:3	28.00	129	·019	0	<b>·2</b> 35	•254	1.6	20.0
	Grand Junction -	April 21st, Cab Rank, Portman- street, Oxford-street.	10'4	27:30	122	.016	0	*232	<b>·24</b> 8	1.6	19.4
Inner Circle.	Lambeth	April 21st, Cab Rank, St. George's- road, Southwark.	10.3	28.12	172	.018	0	•287	*305	1.6	19.7
Inne	LEA (Unfiltered water) -	April 20th New River Cut at Green Lanes.	11:3	33.00	202	*026	.008	·272	*303	2.0	21.2
	New River	April 21st, Cab Rank, Tottenham Court-road.	10.3	30.84	·078	-011	0	*240	·25 <b>1</b>	1.9	19.7
	(Unfiltered water) -	April 20th, E. London Co.'s intake at Angel-road.	11.4	37.76	.368	.016	-017	*342	.402	2.0	25.1
	East London	April 21st, Cab Rank, Sidney-street, E.	10.6	33.42	·136	.017	0	.377	*394	2.0	21.5
	DEEP WELLS.	April 21st, Police Station, Blackheath-road.	13.4	40.24	.043	.006	0	*449	*455	2.2	27*2
Outer Circle.	East London	April 21st, Waltham Abbey Well.		28.66	*124	.012	.010	trace	*023	2.0	20.0
	poration of Birming- am*	April 14th, Court back of 81 and 82 Great Barr Street.	8.3	28:00	-280	.030	()	.150	.180	1.8	17.5
Cor	poration of Glasgow†	April 15th, Loch Katrine water.	6.6	2.92	.173	.039	0	.003	.042	0.7	1.4
	Column 1.	2.	3.	4.	5.	6.	7.	- 8.	9.	10.	11.

<sup>\*</sup>Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 17th April\*at the Grand Junction Company's intake at Hampton had a temperature of 9.7° C.; 100,000 lbs. of it contained 29.84 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained '227 lb. of carbon and '048 lb. of nitrogen. The above quantity of water also contained '006 lb. of ammonia and '224 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 277 lb. The above weight of water also contained 1.7 lb. of chlorine, and 20.9 lbs. of carbonate of lime, or an equivalent amount of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operations transform the hardness in the Table into degrees of hardness on Clark's scale.

<sup>†</sup> Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, was:—Kent 0.8, New River 1.5, Grand Junction 2.3, Chelsea and East London (deep well) 2.4, Southwark 2.5, East London (river supply) 2.6, West Middlesex 2.8, and Lambeth 3.2.

The unfiltered river waters contained the following proportions:—Thames at Hampton 4.6,

New River Cut 3.9, and Lea at Angel Road 7.0.

The Thames at Hampton was, on April 17th, turbid and pale yellow in colour. It was of fairly good chemical and bacterial quality. The water supplied by the five Companies drawing from this river was, in every case, efficiently filtered before delivery; and was of excellent quality for dietetic and all domestic purposes. The bacterial improvement effected by the storage and filtration plant of these Companies is expressed by the following percentage numbers:—Chelsea 99.68, West Middlesex 99.82, Southwark (general supply from Hampton) 96:37, Grand Junction (general filter well at Hampton) 99:22, (general supply from Kew) 99:27, (South filter at Kew) 99.72, and Lambeth 99.77

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was, on April 20th, turbid and very pale yellow in colour. It was of fairly good chemical and bacterial quality. After efficient filtration, it was delivered in excellent chemical and bacterial condition, rivalling, in these respects, the deep well waters. The reduction in the number of microbes amounted to 99.42 per cent.

The water drawn from the Lea at Angel Road by the East London Company was, on April 20th, turbid and yellow in colour. It was of bad chemical and basterial quality; greatly inferior to the Thames in both respects; but, after storage and efficient filtration, it was delivered to consumers in excellent chemical and bacterial condition; the bacterial improvement being expressed by the following high percentage numbers:—No. 1 Essex filters 99 43, No. 2 Essex filters 99 12, and Middlesex filters 99 71.

The deep well waters of the Kent and East London Companies were clear and bright

without filtration, and were of excellent quality for dietetic and all domestic purposes.

Seen through a stratum two feet deep, the Kent and East London Companies' waters were clear and colourless, the New River clear and nearly colourless, and the remaining waters

clear and very pale yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the filtered supplies delivered by the various Companies, collected on the 17th, 18th, 20th, and 21st of April, yielded, after prolonged cultivation, the results contained in the following Table :-

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, April 17th  " after storage by Chelsea Company, April 17th  West Middlesex Company, April 17th  Grand Junction Company's water at Kew, passing to filters, April 18th  New River Cut before passing through reservoirs, April 20th  after  " " " " " " " " " " " " " " " " " " "	4,350 340 840 260 3,100 700 10,850 2,740	9.7 9.2 8.8 10.0 11.3 10.1 11.4 10.5
FILTERED RIVER WATERS AS SUPPLIED.  THAMES.  Chelsea Company's general filter well, April 17th West Middlesex Company's general filter well, April 18th Southwark Company's tap on filtered water main at Hampton works, April 17th Grand Junction Company's general filter well at Hampton, April 17th tap on filtered water main at Kew Bridge, April 18th  Lambeth Company's general filter well, April 17th	34	93 89 83 91 96 98 93
LEA.  New River Company's general filter well, April 20th - East London Company's No. 1 Essex filters, April 20th - No. 2 " " " " Middlesex ", "	18 62 96 32	9.6 9.1 9.8 9.6
DEEP-WELL.  Kent Company's "New Well" at Deptford, April 2	1	11'3

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied to that City was, on the 14th of April "very slightly turbid and pale green in a two-foot

tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on the 15th of April, "light brown in colour, and contained a little suspended matter."

I am, &c.,

E. FRANKLAND.

The Registrar-General, &c., &c.

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	CILIES	AND BOROTGHS		Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON,	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTITINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	MANGHESTER	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN.	Hunnepswern	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.	
ALL.		Centi- metres,	uI	24.	68.0	0.03	ŧ	0.00	0.00	3 1	0.13	1	1	98.0	t	0.28	1 4	1.05	1	1 1	2.18	! 1	1	1	1	1 1	86.6	2 1	1.75	F	1	2.01	1	3	1	
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RATURE		Lowest.	heit.	20.	31.0	37.7	1.	36.0	41.4	0 1	35.0	1	1	33.4	1	39.8	1	38.0	ı	1	39.7	1	1 1	1	ı	1 1	0.00	244	36.4	1	1	31.0	1	1	1	ı
LEWE		tae fighest	Fahrenheit	19.	0.89	66.3	1	0.89	0.99	0.70	.0.99	1	1	62.8	ı	9.79	1	2.29	1	1	0.19	1	1	ı	I	1 1	6.02	200	59.4	1	ı	29.0	ı	1	ı	۱
000, onding	he Jeaths.	From Prom 12, 6–12,	Dia ToD	18.	2.1	1.1	2.3	0.4	0.4 0.0	200	0.3	1.1	5.0	9.0	9.0	6.0	2.7	1.7	0.2	1.8	5.0		ာ တိ	2.0	. 150 150	1.0 6.6	1 10	0 0	2.5	1.5	2.0	2.0	1.4	0.7	1.8	
per l correspo	to the Week's Deaths.	IIA mo	2	17.	2.21	16.4	11.1	13.5	1.91	7.01	15.4	<b>7.91</b>	13:1	55.0	15.5	12.9	13.0	20.2	14.2	17.7	25.6	19:3	26.8	19.0	18.0	27.4	27.0	91.3	21.0	151	20.2	6.91	21.5	122	16.9	
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Registered during the Week ending	1899.	DEATES.	-	ຄະນີ	3876	1428	64	33	37	10 4	95	55	36	39	153	28	29	94	29	39	311	09	092	55	39	45	40	8 9	95	123	142	92	99	. 25	74	
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	-	to the middle of the Year 1899.*		J.	11,404,408	4,546,752	300,241	127,759	123,226	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	218,902	150,772	113,081	135,154	220,111	103,464	936 941	423.889			_	_	228,625	
	CILIES	BOROUGHS.		Cols.	33 TOWNS -	LONDON	WEST HAM	CROYDON	BRIGHTON -	PLYMOUTH -		CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH	LEICESTER	NOTTINGHAM -	DERBY	BIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	ì	BURNLEY	BLACKBURN-	TAKESTON .	HALTEAN	BRADFORD	LEEDS -	SHEFFIELD	HULL	SUNDERLAND -	GATESHEAD	NEWCASTLE -	

TABLE 2. LONDON .- Births and Deaths Registered in the NINETEENTH Week of cach of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2565 1264 1301	2308 1163 1145	2582 1292 1290	2877 1459 1418	2532 1290 1242	2539 1332 1267	2549 1271 1278	2690 1376 1314	2430 1235 1195	2425 1252 1173	2637:9 1359:8 1323:1	2574 1320 1254
TOTAL <b>Deaths</b> -  Males - Females -	1295 619 676	781 683	2245 1138 1107	1597 821 776	1430 779 681	1531 784 747	1393 717 631	1523 816 707	1331 709 625	1356 730 626	1600°1 830°6 769°5	1428 - 772 656

The numbers in this column are the average weekly numbers in the nineteenth week of the ten years 1889-98, raised by 5.213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS

-	n Ho	SPITA	LS, in	the I	ast T	HIRT	EEN W	EEKS					
	Feb. 18.	Feb. 25.	Mar 4.	Mar.	Mar. 18.	Mar. 25.	Apr.	Apr.	Apr. 15.	Apr. 22.	Apr 29.	May 6.	May 13.
TOTAL Births	2862	2752	2676	2627	2613	2480	2609	2554	2875	2759	2693	2623	2574
TOTAL Deaths	1686	1875	1925	1954	2099	2025	1922	1816	1624	1499	1478	1397	1418
$\begin{array}{c} \text{Ages at} \\ \text{Death} \\ \text{Death} \\ \text{Solution} \\ \text{Solution} \\ \text{Ages at} \\ \text{Solution} \\ S$	328 201 101 204 321 426 105	351 245 104 248 364 433 130	395 229 91 249 387 474 100	363 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 282 305 82	285 196 72 206 282 320 67
Deaths from— Small pox Measles Scarlet Fever Diphtneria Waooping-cough Typhus Enteric Fever Simple Continued Fever Diarrhæa and Dysentery Cholera	27 4 40 38 16 -	32 7 29 55 1 13 -	36 7 48 64 - 9	38 9 36 55 - 9 - 13	35 7 45 73 7 7 8	33 4 37 90 4 11	37 4 31 57 - 9 1 7	29 8 34 58 - 6	34 6 20 54 14	51 7 29 47 -3 -7	45 6 26 54 - 4 - 10	36 10 21 47 7 12	- 49 2 40 39 - 8 - 9
All the above Diseases	136	147	176	160	175	179	146	146	133	744	145	133	147
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence———————————————————————————————————	413 154 156 79 166 471	484 175 172 68 151 556	470 206 183 .76 182 577	529 201 174 - 80 190 568	565 209 198 75 184 337	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 -114 71 137 432	251 145 145 73 131 473	257 143 148 83 16£ 485
TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings -  Mean of Lowest readings -	45 8 51 7 39 9	40.7 48.2 34.0	38·0 47·7 28·3	40 2 49 4 31 1	42.5 52.4 33.8	32*2 40*9 24*8	501 59:0 43:2	48 9 56 1 44 0	43°9 52:2 37°2	43.4 52.3 31.7	50°·1 57°·3 44°·1	46·4 55·3 37·2	50°9 62°2 41°7
Humidity of the Air	82	81	79	73	87	68	77	77	80	75	76	67	75
Rain-fall (in inches)	0.72	0.02	0.01	0.07	0.00	0.11	0.37	0.49	1.27	0.43	0.79	0.00	0.01
Registered Sunshine (in hours)	22.0	\$8.8	34.1	43.7	19.7	31.3	.19.5	25.3	21'9	26.5	17.8	49.7	43.0
CASES OF INFECT	lous		ESS IN	Hosi	PITALS	* AT T	THE E	ND OF	EACH	WEE	K.		
Small-pox	2587 1403 231	$     \begin{array}{c}       2 \\       2575 \\       1394 \\       215     \end{array} $	2584 1374 207	2540 1313 193	2437 1261 183	2355 1200 173	2322 1165 148	2235 1126 139	2116 1068 129	3 2144 1034 125	3 2131 997 124	2139 1040 118	2210 1065 107

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Alaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. V. Yesston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R.C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.E., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Penk, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4. NINETEENTH Week of the Year 1899.

				NIN	ET	EEN	TH	We	ek	of the Year 1899.	e ta ta a que t		1 2	*3 2.0	,		_		-;
	years	. 8	In	the W	eek 3th N	endir Iay 1	1g 899.	<i>t</i>			r the years	5	In	the day,	Wee 13tl	k en h Ma	ding y 189	9.	
	es for the 10	w	Des	ths of	Per Age	sons	of	· · · ·			ges for the 10 8*.		De	ths	of P	erso ges	nsof		
JSES OF DEATH	d Averages Veck of the 1889-98*.			nder 20.	100	under 40.	er 80.	and		CAUSES OF DEATH	Averages to of the 1889-98*,	°ez	Ū	nder		der 40.	der 60.	der 80.	B.
	Corrected 19th Wee	ALL AGES.	0-1	1-5.		20 and und		80 years a			Corrected 19th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	npwards.
USES	1600.1	1428	285	196 7	2 2	06 28	32 32	0 67		Diseases of Circulatory }	130.1	148	3	3	9	21	53	49	10
Vaccinated - Unvaccinated No Statement	0.5 0.8 0.6 77.1 15.0 0.2	- 49 2	16	33 2 -	-					Croup	3:7 149:9 125:0 7:9 23:7	110 116 6 25	25 25 2 4	$\frac{25}{1}$	3 - 2	7 15 1 4	22 23 1 2	33 24 1 8	9 1 - 2
sing Fever  nza -  nza -  neria -  continued and continued and continued and continued and continued and continued and continued and continued con	40·2 60·3 37·4 0·7 7·2	29 39 40 - 8 - 9	18 1 - - - 5	21	2 3 - 3	7	7 10	1		Dentition - Quinsy, Sore Throat - Entertits - Peritonitis - Diseases of Liver - Other Diseases of Digestive System	9·3 1·2 11·0 6·4 23·9	3 2 19 3 28 33	- - 7 - 4		- 2 1 -	5 1 2 5	- 2 1 8	1 2 13 10	_
tent Fever phobia ers - ox and Effects of pination eal Affections -	0.1	13	- 8	1 1 /1 1		-	2	-		Diseases of Lymphatic System & of Ductless Glands	2:3	1	-		1	-	-	-	-
pelas	3·5 2·8 4·8 1·4	35552	- 2		2 -	2 4	2 1 1 1		II	Diseases of Urinary System	45.8	41	-	2	2	6	7	20	4
sh other Para-	0.4	  -  1	-		-	-	1		ш	Diseases of Generative System Accidents of Childbirth-	5.6	3 3	-	-	1	3	1	1 - 	-
eal Diseases - )					_			_		Diseases of Locomotive	5.1	3	-	2	_	-	1		-
ation, Want of ast-milk S	1.6 10.6	2 14	·1 -	-	-	4	-	1 -		Diseases of Integumen- tary System-	5:7	4	-		_	1	2	1	-
matic Fever, pumatism of Heart matism - ests - est - e	6.7 2.3 2.8 5.4 66.1 18.6 27.6 162.6 19.3 13.6	6 2 4 2 81 17 14 143 23 13	18	5	6	1 - 6 2 - 69 3 1	32 4	8 1	1	VIOLENT DEATHS:  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks. (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Sealds, Explosions	49.0 <	$\begin{bmatrix} 2 \\ 10 \\ - \\ 6 \end{bmatrix}$		5 - 3	2				
nature Birth ctasis	49·3 3·8 7·7 48·2	38 5 10 49		8 1	1			-	- - 7	By Drowning - By Suffocation in Bed By Poisons or Poisonous Vapours Other or not stated causes -		12 5 32	1	2 - 1 7 1	-	2		-	0 1
plexy  ppsy ulsions  r Diseases of Brain Nervous System	38.1	34 6 25 66	2	1 4	1 2 3	-1	3 -	-	5 - - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.5 9.4	3	3 -	1 -		- 4	-	2 -	2 -
ases of Organs of decial Sense -	3.2	2		1 -	-	-	1	-	-	OTHER CAUSES -	47*5	36	3 3	31 3	3	- 1	-		1 -
The numbers in this	column a	re tl	1e av	erag	e w	reek	ly d	eath	ıs f	or the ten years 1889-98, ra	ised by a	5·213 I	er	cen	t. f	or i	ner	eas	е

The numbers in this column are the average weekly deaths for the ten years 1803-20, finised by or above countries oppulation.

In pully those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered teal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the se of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of dent, murder, manslaughter or suicide. All such causes are classed under "accident."

TABLE 5. LONDON, \*-POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASL SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARBHEA, VIOLENCE, &c., registered in each

SUB-DISTRICT during the We	ek endin	g Satu	irday,	13t	h Ma	ay,	-	_									4
				-			The	DEAT					he W	eekir	nelud	8	10
	Enume-			-	ths of		1			Death	s fro		1				tution
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATES.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Stiall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Entario (or Typhoid)	Simple Continued Fever.	Diarrhoea.	Violence.	Inquest Cases.	Deathsin Publicantt
rondon -	4,411,710	2574	1428	285	387	-	49	2	40	39	-	8	-	9	83	165	485
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	355 576 131 499 1013	248 336 94 264 461 25	45 67 22 60 91	70 103 23 70 114 7	8   1   1	5 20 10 14 -	- 2	4 12 3 2 19	6 8 2 7 16	111111	2 2 1 3 -	-	- 4 1 - -	20 12 10 19 22	37 22 17 40 49	99 96 41 103 122 25
WEST DISTRICTS.  St. Mary Paddington $WHH$ St. John Paddington $H - G$ .	90,996 33,510	62	28 12	9 -	6 -			1 1	1 -	-	1 1/	-	-		3 2	4 2	6 12
Kensington Town Ww - W. & C.	122,164 48,301	47 10	50 11	10 2	17 4	-	1 -	-	-	1	-	-	-	-	3	6 2	25 4
North Hammersmith $H$ W. & G South Hammersmith $H$ W. & C.	44,638 59,561 113,781	17 28 86	8 19 43	1 1 12	357	111	2 - 2	1 7 1	1 2	1 2			-		1 1 1	1 3 1	- 3 13
Chelsea Kensal Town - C. Chelsea North WHHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	8 15 8	3 21 7	1 1 1	1 9 5	1 1 1	1.1			1			-		1 1 1	2 2	12
May Fair W G. Belgrave WHHH C. St. John Westminster HH - C. St. Margaret Westminster H - C.	23,827 56,140 31,492 22,097	23 23 21 4	6 25 5 9	1 4 2 -	3 6 2 1	1111			1111	1111	1111	2 -		1111	5 1 2	1 7 1 4	3 15 5
St. James Westminster N. & G. WHH St. Anne Soho HHHHHH - N.	23,050 12,048	15 4	1 -	-	1 -	-	-		-	-	-	-	= -	-	-	1 -	1
NORTH DISTRICTS.  All Souls Marylebone } - W. Rectory Marylebone W G. & W. St. Mary Marylebone B G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	11 12 28 16 17	17 6 3 5 4	- 1 1 1	8 2 1 1	1111		1 1 1 1 1	1111	- 1		1		11111	1 1 1 1	11111	7 3 1
$ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} $	75,449	33	18	2	5	-	2	-	4	-	-	-	-	-	-	1	5
Regent's Park Paneras $HH$ - W. Tottenham-court $\}$ - N. & W. Gray's Inn Lane $HHH$ - N. Somers Town $HH$ - N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	17 16 17 23 12 52	9 14 8 12 5 29	3 2 2 - 8	3 4 4 4 11	1 1 1 1 1 1	- - - 1	1 1 1 1 1 1	- - - 1	- - 1 - 1	111111	11111		11111	1 - 3	- 2 1 - 4	2 7 3 1 4 6
Upper Holloway WWWWHH Islington South-west H - N. Highbury HH N.	98,273 107,365 66,549 64,577	53 59 23 41	55 24 18 23	10 7 3 3	16 7 8 7	1111	- 2 1 6	1111	1 - 1	1 1 1	1 111	- - 1		2 -	2 1 -	5	36 - 1
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	11 27 28 44 36	6 11 23 28 23 23	1 1 6 7 8	24265	11111	- 6 1	11111	- 151 -	1 - 1	11111	1 1 1 1	7	11111	- 2 1 1	2 2 1 3	- 5 6 9

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union: w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers a received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signiff Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. Ne River; E. East London; and K. the Kent Company.

\* See note \* on second page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and wre-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHCEA, VIOLENCE &c., registered in each B-DISTRICT during the Week ending Saturday, 13th May, 1899—continued.

							The	DEA	THS	regist	pered	durin	g the	Week	inelu	de		
	Enume-	1		Deat	hs of				1	Death	from	201					ution	of
IBTRATION SUB-DISTRICTS	Population.	Total Biuths.	Total DEATHS	Infantsunder I Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Moanlen.	Scarlet Fover.	Diphtharia.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued	Diarrhosa.	Violence	InquentGanen	Deathain Public Institution	Uncertified Causes
CENTRAL DISTRICTS.  orge Bloomsbury N. es South WH N. es North H N.	16,110 12,976 9,151	1 8 3	1 6 2	- 2 -	- 3 -		-	-				111			1	1	- 4 -	- 1 - 1
rti.1-in-the-Fields HHN.&C. 1 WHH N. Union Workhouse, Edmonton	13,077 11,839 +1,037	1 6 -	7 15 3	1	3 4 3	~	-	-	-				-	111	33	333	2 11 3	-
rn wHHHHHHH - N. nes Clerkenwell - N. ill Clerkenwell - N. ill-street - N. oad HHHL - N. cross-street - N. ory - N. n Union Workhouse, ham - S	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	21 13 26 11 26 3	18 4 11 1 11 11 1 1	22513	2 1 1	1111111	1111111	1111111	1 2	1 - 1	1111111	1111111	1111111	1	1111	21312 - 1	11 - 2 - 1	
tolph H N. & E. legate N. & E. pulchre WH N. lows Barking N. Street H N. London Asylum, Stone -	6,870 3,299 9,591 9,059 2,892 †388	211-6011	1 10 2 7	11111	1 4 1 -	111111	11111	14,1111	111111	111111	111111		171111	111111	11111	1	- 6 - 1	
EAST DISTRICTS.										,	į.	2	-	Ī				
ditch South $Hl$ - E. & N. on New Town $w$ - N. on Old Town - N. & E.	17,975 29,575 27,645 47,163	15 19 26 47	9 20 7 21	2423	10 6	1111	1111	1111		1111				- 1	13	12332	3 11 11	1141
hal Green North $H$ - E. hal Green South E. hal Green East $WHl$ - E.	49,301 34,194 45,667	30 24 29	9 6 33	2 6	13	111	1 1 -		1 1 1	1 -	-		-	3	1 1	1 1 4	21	
fields E.& N. End New Town* $WH$ - E. man's Fields* E.	26,681 } 51,995 {	21 31 7	6 23 2	3 -	1 4 -		1 -			-	-	1 -			23 -	34	21	
eorge's North E. hn, St. George East W E.	39,576 7,930	39 5	10 9	4 1	3 2	-	2 -	-	-	-	-	-	-	-	-	1	6	-
well $H$ E.&N. iff $W$ E. house E.	10,434 14,954 32,917	7 8 22	13 4 9	512	1 1 1		2 1 1			- 1			-	111	1 -	1	7	
End Old Town West H E. End Old Town East - E.	} 111,060	{ 42 25	14 18	7 5	4:8		-	-	-	- 2	-	-	-	1 1	1	1	6	-
1 E.  lley wwwH E.  ar WW E.	41,687 69,821 57,759	20 41 41	8 30 13	1 5	2 4 6		=		ī	3 -			-	111	41	94	1 14 1	-

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX ME, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 13th May, 1899—continued.

SUB-DISTRICT during the Wed			,	•		-					ed du	ring t	he W	eek in	clude	
and where the region is		-		Deat	hsof					eaths						
REGISTRATION SUB-DISTRICTS	Enume- rated Popu- lation, 1896.	Total BIRTHR.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhes.	Violence.	Inquest Cases.
SOUTH DISTRICTS.  Christehurch Southwark W HL.&S. St. Saviour Southwark - S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L.	13,064 12,301 22,879 16,083 21,316 28,723 62,045	3 11 16 7 16 12 43	1 3 3 4 5 7 17	1 1 - 2 1 2 6	3 2 2	1 1 1-1-1 1		111111	-	1 1 - 2	111111	(ripiji	711,111		- - 1 -	1 2 1
St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.  St. Olave WH S. & Rotnerhithe WwH - S. & K.	11,731 85,475 40,379	21 7 50 25	8 14 23 12	1 6 1	- 2 - 5 - 4	115 64	1 111		1 2 -	2 -		1,1,1	1 111	111	4 1 -	5 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	32 8 32 44 26 39 8	7 13 25 8 14 18 2	2 3 1 3 2	1 6 6 2	F F I F F F F F F F F F F F F F F F F F	1 6 -	1 1 1	1 - 1	1 1 1		1111111	11111111	1111111	1 8 1 1 1 1 1	2 3 3 - 1
East Battersea S.  West Battersea WwH S. Clapham H S. Wandsworth WHHL - S. Putney S. Streatham WwwwL - L.	71,730 93,385 46,953 58,101 20,566 61,644	50 57 20 42 12 27	14 25 12 11 2 15	3 6 3 2 - 4	27233 - 2	1.1134.6	1		1 - 1	3 - 2		1.1.1.1.1.1	1.1.6.1.1.1.	111111	1 1 - 1	1 2 1 1 1 1
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 50 39 49	30 27 13	1395	1 16 7	1 1 1	- 1 1		1	1 1 1	1 1 1 1	1111	-	1 1 1 1	1 3 -	3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	20 35 12 12 27	8 15 5 7 20	1 3	1 3 8	19 के का भ	2		6	11111	11111	- - -	1 1,1 1	1,1,1,1	2	2 2 - 1
Eltham $wH$ $K$ . Lee $H$ $K$ . Lewisham $WwH$ $K$ . Sydenham $H$ $K$ .	5,911 24,222 38,139 37,601	14 43 16	- 4 21 10	- 1 4 3	8 2	7 7 7 1 -	2	- 1	1 23 1	1,111,1	1111	1111	. 1 1 1 1	1111	- 1 1	1 2
Charlton wHH - K. Woolwich Dockyard - K. Woolwich Arsenal HHHH - K. Plumstead West H - K. Plumstead East WH - K.	15,928 19,355 21,959 16,714 42,538	13 12 16 11 33	- 8 3 11 7 7	2 1 3 -	1 1 3 5 2			-	1 -			1 1 -		21.11.11.1	- 1 -	1 2 1 -
Banstead Asylum Caterham Asylum			377		23 - 1		11111111111				-		11111111111		11111111111	

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES OSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week adding Saturday, 13th May, 1899.

	The	DE	THS	registe	ered in	the	Week	inclu	ıde								
					Deat	hs of	-		1	Death	fron	ı .					
REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Population, 1891.	BIRTHS.	DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measies.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
ON-OUTER RING -	368,749	1,422,063	1084	465 ~	92	132	1	. 7	1.	10	19	2	5	19	39	57	7
Carshalton wHH	12,228 10,423	26,108 12,508	8	8	-	5	X - 1	7 - 7	10 mg	-:	5 To 7		15.1	10	1 Pag 2	5	-
dodstone, part of* W -	2,754	1,598	1.	.+.,	-			. 97		g, . <del></del>			. = ,		and long	-	- 10007
croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	73 14	51 8	7	19 4	- 2	-	3	=	1.1	: / ½°	12	3	5 2	13	
Wimbledon $HHH$	3,220 14,672 4,565	$ \begin{cases} 25,777 \\ 33,566 \\ 12,178 \\ 11,080 \\ 18,252 \end{cases} $	$\begin{array}{c} 17 \\ 22 \\ 7 \\ 2 \\ 7 \end{array}$	18 20 3. 4 7	61-3-	5 7 1 2	130 150 1			11111	-	\frac{1}{2}	1 1 1 1	23	4 - 1	1 3 -	-
Richmond $WH$	2,160 2,823	25,389° 16,159	12 3	5	ī	2	- <u>-</u> -		-	1,4	ī	1717	1 1	-	-	-	-
Bromley $HHH$	9,127 6,542 14,307	23,815 21,969 20,372	17 13 14	5 2 5	- 1	3		-	-	-	1717	-	1 1 3	1.1	-	-	1
Bexley HHH	12,540	<b>30,</b> 590	23	8 2		1	ar a 77 .			= -		-	in Color of your	1	1	1 2	
Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	10	3 5	1	ī	: : _ : _	-		-	- ī	3-	 	-	17.7	j.	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	6 2 11	4 1 3	-	11	-  	-		-		-	£ 1.1	$\frac{1}{2}$	1.20	7	
Isleworth $WHH$ I wickenham $HH$ Brentford $HHHH$ Chiswick Acton $wHH$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	16 10 31 11 33	12 8 8	1325	344441	11414	7-1-1	11.11.10	11111	3	1 1 1 1 1	1	1 1 1 1 1	1	1 -	
Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	9 1 66 12	4 3 16 6	- 7 1	1 1 3		1 1 1	-		3 -		17 1 3 17	1/2 -2/2 -2/2	1	1 1 2	
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	31,077 4,688	6,367 14,152 25,820	$\begin{bmatrix} 1\\10\\16 \end{bmatrix}$	2 4 7	$\frac{1}{2}$	1 1	1 -	-	-	-	1 =	\$ - -	1,11	- 1.5	-	- 1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	19 5	14 38 17 5 -	3 14 4 -	2		1 2		3 - 1	2		2	1 - 1	1.1	24	
Hatfield, part of * W	3,306			-	-	-	-	. 2	ī.   II-	-	. =	-		-	1, 2		
Bushey H - vart of*	9,331	7,737		2	1	1	-			-	-	-	-				
Stratford H Plaistow WHHH Canning Town H - Forest Gate w - East Ham wHH - Leyton WWWWH - Walthamstow HHL -	3,266 4,334 6,501	53,511 32,715 70,188 57,336	54 58 35 63 60 55	11 16 16 13 14 36 16		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		-		1 1 2 2	1 2	1 - 1	-		2		-
Chigwell, part of * HHHH Epping WH, part of * -	-   -		-	2		1 ]		-		-		-					
Romford, part of WH  Ilford  Barking Town, H -  Middlesex County Asylum Wandsworth.	- 6,556 8,493 3,814	3 10,91	4 2 3 16 1 19 -	13 3	_	1		-	2			-		-	- 1	- 1 - 2	1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Inigham is follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in deld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 1,079; 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for the Outer Ring in 42: 2, Dartford; 137: 2, Watford; and 187: 2, Epping and districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 13th May, 1899.

												-			
			ANNUA	L RATE			The DE	ATH	S regi	stered	linth	e We	ek ind	lude	
	Area	Population estimated	of MOB	TALITY living.	DEATHS	Deat	hs of	:			Deatl	is from	n		-
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles,	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence,
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15
GREATER LONDON	443,421	6,528,434	15.1	1.2	1893	377	519	1	56	3	50	58	10	14	10
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	16·4 12·2	1·7 1·2	1428 465	285 92	387 132	1	49	2 1	40 10	39 19	8 2	9 5	83 19

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

						ANNUAL	DE	ATHS		PRI	SES.	L ZYM
CITIES	POPULATION (enumerated	DATE of RETURN		BIRTHS.	DEATHS.	DEATH-	Small-pox.	eB.	et.	Diphtheria.	Whooping- cough.	ır.
CITIES.	or estimated).	Week ending	g	Exclusive	f Stillborn	per 1000 living.	-III	Measles.	Scarlet Fever.	hth	doo	Fever.
	ostimated).						Sms	K	DO E	Dip	Wh	H
	909 097	May 1	3	176	100	17:4	_	1	2	1	3	1
EDINBURGH - GLASGOW	298,927 733,903		3	502	270	19.2	_	20		3	2	2
DUBLIN	349,594	77	3	201	179	26.7	-	-	2	. 1	2	3
CALCUTTA	466,460	February 2	25	, <del>-</del>	409	45.7	2	1	_	- 2	2	203†
BOMBAY	821,764	April   1	18	171	1465	92.7	9	75	?	. ?		6471
MADRAS	452,518	March 3	31	342	318	36*5	1- 1	9	?	?	?	42†
PARIS	2,511,629	May	6	1123	1007	20.8	-	36	2	. 7*	14	12
BRUSSELS	551,011	. 99	6	256	174	16.4	-	4.			2	2
AMSTERDAM -	512,758	April 2	29	274	130	13.2	:		-		1	1
ROTTERDAM -	311,301	. "	29	214	- 89	14.8		7	1	- 1	4	-
THE HAGUE -	196,325	,, 2	29	114	60	15.7	-	7	~	1		
COPENHAGEN -	345,000		6	163	128	19.3		2	1	2	4	1
STOCKHOLM -	283,550		29	143	139	25.5	- :	6	2	5*	2	Ti.
CHRISTIANIA -	203,337		8	169	65	16.8	-	-	-	-		Ī
ST. PETERSBURG	1,132,677		29	488	546	25.1	3_	19	.3	19	4	14
Moscow	988,610	77	29	-	530	28.0	7-	9	4	12	- 5	4
BERLIN	1,805,054	. "	22	914	623	17.9	-	9	15	9	10	-
HAMBURG	675,351		6	_	215	16.6	- 1	-	-	2*	3	
DRESDEN BRESLAU	389,300 406,012		6		195	25.0			-		1	
MUNICH	445,000	-	29	-	213	24.9			. 1	. 3*	1	1
VIENNA	1,606,629	May	8	871	692	22.2		26	-6	10*	4	_
PRAGUE	380,497	,,	8	208	205	27.7		.5	3	2	1	2
BUDA-PESTH -	666,722		29	492	325	25'3		9	5	- ,-	+	5
TRIESTE	165,913	32 2	22		-	+ 1		7.	-	· =,	. **	-
ROME	500,610	,, ,	22	218	130	13.2	- 1	-	-	-	1	3
TURIN (10 days)	344,203	1 "	10	212	239	25.3	1 -	1	1	1	5	2
VENICE	169,883	99	29	62	98	30.1	-	5		4*	3	1
CAIRO	570,062	22	1	428	401	36.6	2	-7	-	- 1°	1	27
ALEXANDRIA -	319,766	19	1	223	226	36.8		., 1		. 1*	·	. 2
NEW YORK (including	3,550,053		22	1514	1256	18.5	1	16	16	26	9	.7
BROOKLYN)	1 1		22	4044	505	20.8		1	1	18	1	29
PHILADELPHIA -	1,266,832	W .	00		900	400	35	•	-	10	-	23
1		1	- 11				1	1				

Including deaths from croup.
 Including 9 deaths from plague in Calcutta, 545 in Bombay, and 1 in Madras.
 Including 17 deaths from cholera in Calcutta and 3 in Bombay.

The numbers in column 29, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.

The reading of the harometer decreased from 3021 in, at the beginning of the week to 2876 in by 5h. P.M. on the 9th; increased to 2976 in by 5h. P.M. on the same day; increased to 2977 in, by 5h. P.M. on the same day; increased to 2978 in, by 7h. A.M. on the 11th; the 12th; and decreased to 2977 in, by the end of the week.

Fine; generally cloudy.

15.4

4.6

w. P. generally

13

SATURDAY-

Sum 1068

Sum 43.0 29

88

27

No. of Col. -

								M	ete	orolo	gica	il C	)bseri	atio	ns.					
٠		Czone	0.0	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	sea:	dlud	rions rears the er is	The nesh	ment 5.	eter,	rate;	nent.
collected		surfaceis sinches above the Ground.	in.	0.00	0.01	0.00	0.00	0.00	0.00	0.00	Sum 0.01	25	ol of the	The means of	t correctives wenty 1868 for comet.	umn 8). om the r trical Ta	Il movel	nermom	lectrom.	Instrur
-	n,8.	Departure from Average of 16 Years.	Miles.	+129	+164	-110	-120	-113	09 -	- 41	Sum - 151	24	ean leve	el. ".P.M. 7 "and th	ation on give the tending	air (colucted from ygrome)	orizonta earsendi	ofthetl	ering E	nahina
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	381	415	141	131	137	190	509	Sum 1604	23	midnight ve the m	o sea leve K., and 9h mometer	he applicade duri	re of the y are ded	hat of he representations of the period of t	dexerror	elf-regist	C+oToo G
-	he	ean of 24 ourly	lbs.	4.0	9.0	0.0	0.0	0.0	0.0	0.1	:	22	tht to 1	duce t 3h. P.1 ther	s by the property of the	peratumidit by Gla	and to	thein	son's s	mboll_
	Pressure on the	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig s 159 fe	s to re noon; r bulk	value ic reco	of tem e of ht	rived in ric reco	tedfor	Thoms N. ne	سوي
-	Press	Great-	lbs.	ဆ	4.3	9.0	0.2	9.0	6.0	1.7	:	20	from r	A.M.; he dr	daily graph furing ean r	value degre ermon	s endir	correc	from tive;	om th
Pan on part II	Oster 8.			NE.	N. & NNE.	SW. &	variable. NE.	WSW., W.	SSW. &	SW.& SSW.	& SW.	61	ivil day, or of the baron	ied to the retaken at 9h arometer, t	e converted into mean daily values by the application of corrections discussion of the photographic records made during the twenty years the barometer, and during the twenty years ending 1868 for the the barometer, and during the twenty years ending 1868 for the With the corrected mean reading of the dry bulb thermometer is	mean of the mean daily erature and wet bulb th	or the air ist the 50 year of the anem	e.	sa. y is derived 'e:P. posi	o dominord for
	O Consont Discostion	A.M.		NNE.	NNE.	N. & SW.	SW., NNW.	NNE. N. &	Variable. SW.	SW. & WSW.	NNE.	18	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 159 feet above the mean level of the sea;	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P. M., and 9h. P.M. the eve-readings of the barometer, the dry bulb thermometer, and	thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1863 for the chairs of the barometer, and during the twenty years ending 1863 for the theorem. With the corrected mean reading of the dry bulb thermometer is	outbring us corrected mean of the reducting in the maximum and the characteristic column 8). The mean daily delivers of the air (column 8). The mean daily dew point temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet built thermometers by Glaisher's Hygrometerical Tables, and	The working the Control of the State of the	- "lower," than the average.  The valuesgiven in column 17 arenot corrected for the index error of the thermometer,	which cannot be determined. The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:-P. positive; N. negative; w. weak; m. moderate;	8. EURODS; and V. variable from the Commbell State Instrument.
*******	Of the	Earth 3 feet below the Surface.	0	48.23	48.80	49.15	49.49	49.57	49-72	20.08	49.33	17	esults a	ection h rvations e-readin	thermometer, and deduced from a ending 1873 for thermometers.	meters, aily dev	t Green	ver, tha	cannot record rabols	ig; and
OTWWWT	f.	Lowest on the Grass.	0	28.8	36.0	33.0	30.0	27.2	30-2	39.0	32.0	16	The 1	Obserthe ev	thermo deduce ending thermo	thermo mean daily v	made a	The	The sy	8. Stron
WWT.	Of Radiation.	Highest in Sun's Rays.	Ô	128-2	2.211	78.8	91.1	114.8	134.0	134.0	114.1	15		ning.	ercast	rning.	fore-	fine afterwards.		
	Degree of Hu-	(Saturation equals 100).		63	99	83	85	79	75	92	75	14	ZS.	n mori	ig; ov rwards	in mo	Gloomy in fore-	after		
ween	int re.	Least.	0	3.1	1.5	0.0	0.0	0.0	0.0	62 44	1:0		GENERAL REMARKS.	A very fine day. Hoar frost in morning.	Very fine generally till evening; overcast ith occasional slight rain afterwards.	Generally overcast; slight rain in morning, ight fog at night.				
Difference between	nd Dew Point Temperature.	Great-	0	21.5	19.9	13.1	10.6	6.91	16.9	15.8	16.4	12	AL RE	Hoar	Uy till ght rai	st; slig	loudy	1; ver	loudy.	والمسرام
		Mean daily value.	0	12.8	11.0	2.0	4.5	6:3	9.2	7.5	7.8	11	SNER	day.	general nal slig	Generally overcastight fog at night.	Fine; partially cloudy.	Cloudy till noon; very light fog in morning.	Fine; partially cloudy.	Tine . generally alondy
	Of the Dew	Mean daily value,	0	37.4	41.5	44.0	44.9	44.6	45.4	44.4	43.2	10	G.J	ry fine	r fine g	erally fog at	; par	idy til fog in	; par	
· H.		De- parture from Average of 50 years.	0	9.0 -	4 1.5	1 2 2	2.4	8.0 1	+ 1.0	- 0.4	9.0 -	6		А те	Very fine generally till evening; ove with occasional slight rain afterwards	Gene	Fine noon.	Slight	Fine	Ti's
TEMPERATURE.	iir.	Mean daily value.	0	50.5	52.5	49.0	49.1		53.0	6.19	6.09	8	Sun above Horizon, in hours.	19.1	15:1	15.2	15.3	15.3	15.4	15.4
TEMP	Of the Air.	Daily Range.	0	6/1	20.3	13.1				19:3	20.2	7	tered Su hine H		9.2	0.0	3.7	4.5	6.3	Q. V
		Low- est	-	ങ	41.7					44.4	41.7	9	Registered Sunshine in hours,	13.8		•	60		9	_
		High-	0	9	62.0					63.7	62.5	5	ry. n of ote.)	- poor	Ily till N. and ds.	erally;	- poor	hout -		
METER.	Mean	reading (cor- rected and re- duced to 32° Fahren- heit).		30.101	29.843	99-686	29.736	99-739			29.783	14	ELECTRICITY. (For explanation of symbols, see Note,)	w. P. throughout	w. P. generally till 9h. P.M.; w. N. and w. P. afterwards.	w. P. generally w. N. at 5h. A.M.	w. P. throughout	w. P. throughout	w. P. throughout	Ilonomon
	Phases	of the Moon.		:	:	New			Greatest	Dec. N.		3	EL: (For e symb	w.P.	w. P. 9h. P.W w. P. a.	w.N.a	w.P	w. P	w.P	D.
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	1899.	MONTH AND DAY	MAY.	SUNDAY -	MONDAY -	THESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY	CA MITTOD A V

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LONDON:

PRINTED FOR HER MAJESTY'S STATIONERY OFFICE BY DARLING & SON, Ltd., 1-3, GREAT ST. THOMAS APOSTLE, EQ.

1899.

## WEEKLY RETURN

#### DEATHS IN LONDON BIRTHS AND

AND IN

### THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

[Price  $1\frac{1}{2}d$ . No. 20. 1899. Vol. LX.] WEEK ENDING SATURDAY, MAY 20.

> General Register Office, Somerset House, May 23rd, 1899.

### THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 17.6 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	I			7	Weeks	ending	g 
Towns.	Apr. 29.	May 6.	May 13.	May 20.		Towns.		Apr. 29.	May 6.	May 13.	May 20.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	17·2 20·6 18·9 15·8 16·6 15·7 14·0 12·5 14·0 13·9 16·7 11·3 17·1 17·1	18·1 16·6 13·1 19·9 18·1 17·3 16·6 16·1 10·9 15·5 9·8 13·2 18·7 18·6	17·7 15·5 17·4 19·3 21·0 15·7 15·4 18·0 15·4 13·5 14·2 21·3 14·6	18·6 18·8 16·1 13·8 19·8 16·0 9·8 15·7 14·2 114·9 13·6 15·6	TO THE PROPERTY OF THE PROPERT	Leicester Liverpool London - Manchester Newcastle-or Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverham		20·9 16·9 23·2 16·6 15·7 19·2 19·4 16·1 19·5 18·4 18·0 22·9 13·1 15·5	14·1 20·6 16·0 20·3 17·3 14·7 15·2 17·6 22·3 14·8 19·5 14·6 17·2 14·1 6 17·0	16·4 24·9 16·9 12·9 20·5 19·0 22·8 16·7 21·3 26·8 20·5 13·1 11·1	23·9 16·3 24·6 13·9

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1·1 in Nottingham and 1·8 in Manchester; from scarlet fever, 14 in Norwich and in Burnley; and from whoopingcough, 1.0 in Plymouth, in Huddersfield, and in Gateshead, 1.1 in Cardiff, 1.2 in Blackburn, and 1.8 in Burnley. In none of the thirty-three towns did the death-rate from "fever" or from diarrhæa reach 1.0 per 1,000. The 69 deaths from diphtheria included 24 in London, 9 in Leicester, 7 in Sheffield, 6 in Swansea, 5 in Salford, and 3 in Leeds. One death from small-pox was registered in Hull, but not one in any other of the thirtythree towns.

LONDON.

In LONDON' 2598 BIRTHS and 1419 DEATHS were registered. Allowing for increase of population, the births were 24 above, and the deaths 167

By "estimated" population is meant merely the number of persons who would be living if the mea rate of increase in the last intercensal period had since been maintained.

Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

below, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.9, 16.0, and 16.4 in the preceding three weeks, fell again last week to 16.3. During the four weeks ending on Saturday last the death-rate averaged 16.4 per 1000, being 2.1 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1419 deaths included 51 from measles, 9 from scarlet fever, 24 from diphtheria, 39 from whooping-cough, 6 from enteric fever, 12 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 141 deaths were referred to these diseases, being 71 below the corrected average

weekly number.

The deaths from measles, which had been 45, 36, and 49 in the preceding three weeks, further rose last week to 51, but were 30 below the corrected average; 7 cases belonged to Limehouse, 5 to Camberwell, 4 to Lambeth, 4 to Greenwich, 4 to Islington, and 4 to Hackney sanitary areas. The deaths from scarlet fever, which had been 6, 10, and 2 in the preceding three weeks, rose again last week to 9, but were 7 below the corrected average; 3 cases belonged to St. Pancras, and 2 to Greenwich sanitary areas. The deaths from diphtheria, which had been 26, 21, and 40 in the preceding three weeks, fell again last week to 24, and were 14 below the corrected average; 4 cases belonged to St. Paneras, and 4 to Poplar sanitary areas. The deaths from whooping-cough, which had been 54, 47, and 39 in the preceding three weeks, were again 39 last week, the corrected average being 53; 5 cases belonged to Islington sanitary area. The fatal cases of *enteric fever*, which had been 4, 7, and 8 in the preceding three weeks, fell again last week to 6, the corrected average being 8; 2 cases belonged to Lambeth sanitary area. The deaths from diarrhea, which had been 10, 12, and 9 in the preceding three weeks, rose again last week to 12, but were 3 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 294, 251, and 257 in the preceding three weeks, were again 257 last week, the corrected average being 298. The deaths attributed directly to *influenza* numbered 26, having been 41, 25, and 29 in the preceding three

Different forms of violence caused 64 deaths, concerning all but 1 of which inquests were held. Of these 64 deaths, 17 were cases of suicide, while the remaining 47 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, 6 to drowning, and 12 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2161 cases of scarlet fever, 1066 of diphtheria, and 99 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 211 cases, against 226, 219, and 259; of diphtheria, 145 cases, against 110, 182, and 149; and of enteric fever, 16 cases, against 21, 15, and 11.

GREATER LONDON.

In Greater London 3628 births and 1867 deaths were registered, corresponding to annual rates of 29.0 and 14.9 per 1000 of the estimated population. In the Outer Ring 1 death from small-pox, 15 deaths from measles, 1 from scarlet fever, 8 from diphtheria, 16 from whooping-cough, and 5 from diarrhea were registered. Seven deaths from measles, 4 from diphtheria, and 8 from whooping-cough occurred in West Ham district; 4 deaths from measles occurred in Edmonton district. The death from small-pox occurred in Barnet sub-district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.57 inches, and that of the Thermometer 54°.4; the latter being 1°.0 above the week's average in the 50 years 1841-90. The direction of the wind was South-westerly, the horizontal movement of the air being 60 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 33.9 hours; the measured rainfall amounted to 0.97 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of

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corresponding to the Week's Deaths.	11A	From A	17.	9.41	16.3	14.4	4 6	1.91	13.9	23.8	13.8	0.91	51.1	91.9	53.0	15.4	1.91	15.7	21.3	23.9	18.6	24.6	91.1	19.8	19.3	17.3	13.6	14.9	18.8	9.91	16.3	15.6	20.1	14.3	13.8
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Death	to in it.	ednstal 189Y l 92A	4.	837	277	177	<b>9</b> T	- 9	10	∞	13	17	- ;	44	00	# [	12	0	15	09	6	53	25	1 1	12	13	c2	10	10	38	23	16	91	97	10
anding 899.			2,5	3842	1110	88	9.4	H 20	51	46	85	70	10	37	210	202	7.4	H 07	47	291	58	257	68	43	20	39	27	98	1 CC	135	113	02	90	530	. 61
Registered during the Week ending 20th May 1899.	-  -	DIRTHS, DEATHS.	24	6700	0020	174	£.) T	6.00	88	52	189	68	# !	65	250	196	161	57	00	423	101	311	145	70	72	51	48	44	108	267	268	148	105	85	137
Z	estimated to the middle of the Year		1,	11.404.408 6			157.750	198,226	190,741	100,637	320,911	185,820	77,601	88,821	514,956	113,260	520,001	106.401	115.162	634.212	162,221	543,902	218,244	130,772							361,169	234,270	. 145,613	106,552	228,625
g.	AND	воводень.	Cors.	1 - 8NWOT 88		London	WEST HAM -	CROYDON -	PORTSMOUTH -	PLYMOUTH	BRISTOL	CARDIFF	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM -	1		NOTTINGHAM -	THEAD	TIMEDOOT	BOLTON	MANCHESTER -	SALFORD	OLDHAM	BLACKBIRN		HUDDERSFIELD -	HAITBAY	- 0	ı	SHEFFIELD	HULL	SUNDERLAND -	GATESHEAD	NEWCASTLE -

TABLE 2. LONDON.—Births and Deaths Registered in the TWENTIETH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2648	2468	2374	2600	2445	2241	2496	2462	2444	2285	2573.8	2598
Males Females -	1358 1290	1283 1185	1214 1160	1328 1272	1267 1178	1121 1120	1246 1250	1287 1175	1260 1184	1155 1130	1317·1 1256·7	1318 1280
TOTAL <b>Deaths</b> -  Males - Females -	1231 631 600	1466 762 704	2235 1166 1069	1587 883 704	1503 796 707	1463 759 704	1389 747 642	1516 812 704	1321 693 628	1360 705 655	1585 <b>·7</b> 836·9 748·8	730 689

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twentieth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks

In Hospitals, in the last Thirteen Weeks.													
•	Feb. 25.	Mar.	Mar.	Mar. 18.	Mar. 25.	Apr.	Apr.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.
TOTAL Births	2752	2676	2627	2613	2480	2609	2554	2875	2759	2693	<b>26</b> 23	2574	2598
TOTAL Deaths	1875	1925	1954	2099	2025	1922	1816	1624	1499	1478	1397	1428	1419
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ \textbf{O} \\ \textbf{Death} \\ \textbf{O} $	245 104 248 364 433	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65
Deaths from— Small pox	32 7 29 55 1 13	36 7 48 64 -9 -12	38 9 36 55 - 9 - 13	35 7 45 73 7 7 8	33 4 37 90 - 4	37 4 31 57 - 9 1	29 8 34 58 6 - 11	- 34 6 20 54 - 14 - 4	51 7 29 47 3	45 6 26 54 4	- 36 10 21 47 7 - 12	49 2 40 39 - 8	51 9 24 39 6 12
All the above Diseases -	147	176	160	175	179	146	146	133	144	145	133	147	141
Dis. of Respiratory System- Phthisis Dis. of Circulatory System - Violence	175	470 206 183 76 182 577	529 202 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 451
TEMPERATURE OF THE AIR.  Mean	40.7 48.2 34.0	38·0 47·7 28·3	40°2 49°4 31°1	42:5 52:4 33:8	32·2 40·9 24·8	50·1 59·0 43·2	48.9 56.1 44.0	43·9 52·2 37·2	43·4 52·3 34·7	50°1 57°3 44°1	46.4 55.3 37.2	50°9 62°2 41°7	54·4 62·7 48·3
Humidity of the Air	81	79	73	87	68	77	77	80	75	76	67	75	75
Rain-fall (in inches)	0.02	0.01	0.07	0.00	0.11	0.37	0.49	1.27	0.43	0.79	0.00	0.01	0.97
Registered Sunshine (in hours)		34.1	43.7	19.7	31.3	19.5	25.3	21.9	26.5	17.8	49.7	43.0	33.9
CASES OF INFEC	rious 8	SICKN	ESS IN	Hose	ITALS	AT T	HE EN				K.		
Scarlet Fever Diphtheria Enteric Fever	2575 1394 215	2584 1374 207	2540 1313 193	2437 1261 183	2355 1200 173	2322 1165 148	2235 1126 139	3 2126 1068 129	3 2144 1034 125	2131 997 124	2139 1040 118	2210 1065 107	2161 1066 99

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LLD., Plymouth; R. C. Cann Lippincott. Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R. (.S., Preston; A. Johnson, Esq., M.Inst. C. E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4.

				Т	'WI	ENT	IET	н	Wee	ek of the Year 1899.									
	the 10 years		Satur	day,	20t1	erso	y 189	99,			res for the		Satu	eath:	y, 20	th M	ay 18	899.	_
USRFOF DEATH	Corrected Averages 20th Week of the 1889-98*.	AGES.	τ	nder 20.	r	20 and under 40.	40 and under 60.	and under 80.	years and pwards.	CAUSES OF DEATH	rected Averages 1 Week of the 1889-98*,	AGES.	1	Unde 20.		20 and under 40.	40 and under 60.	60 and under 80.	years and
NUSES	1585.7	1419	[277	170	27	1		09	08	Diseases of Circulatory System	133.3	137	20-1-0	2-1	18	18	40 an		ž
Vaccinated† - Unvaccinated No Statement	0·2 0·3 0·7 80·7 15·5	51 9	- - 17 -	34 6	3	-			-	Croup Bronchitis Pneumonia Pleurisy - Cother Diseases of Res-piratory System -	4.6 142.1 121.6 5.4 24.4	98 134 6 19	17 21 1 2	1	- 2 10 - 1	7 26 1	 9 37  6	 44 20 2 7	1
ing Fever 12a 12a 10ng-cough - 10 Continued and efined Fever - 10 a and Chol. Diarr. 10 ces, Dysentery - 10 tent Fever 10 tent Fever 10 tent Fever 10 tent Fever 10 tent Fever 10 tent Fever	44.8 52.7 38.2 0.5 7.6 0.2 15.3 0.2	26 39 24 - 6 - 12	19 19 1 - - 10	20 20 -	1	8 - 4 - 3	-	7 1	2 -	Dentition Quinsy, Sore Throat - Enteritis Peritonitis Diseases of Liver - Other Diseases of Digostive System	9·9 2·8 10·8 7·3 23·7 30·5	9 1 25 1 40 33	8 -17 -4 -6	1 3 -	1 1	1 3 9	- 2 - 21 8	- 1 12 8	1
phobia ers ex and Effects of ination eal Affections	0·1 - 0·3 8·0	- 8	- - 4	-  -  -  1	-	-	- 2	- - 1	-	Diseases of Lymphatic System & of Ductless Glands	2.7	3			-	3	-	-	-
elas	3.8 2.6 4.8 1.6	8 5 2 4	3	-  -  -		3	1 1 -	1 -		Diseases of Urinary System }	44.0	34	-	1	1	2	16	13	1
and other Para-	0·4 0·2	- 2	 	-	-	- 2	-	-	-	Diseases of Generative System Accidents of Childbirth-	6*2 5*5	7 6	- -	-		5	3	1 -	1 1 1
al Diseases - 5									-	Diseases of Locomotive } System }	6.1	4	1	1	1		1	~	-
tion, Want of st-milk st-m	0*4 10*5	2 17	2	-	-	4	- 11	2	-	Diseases of Integumen- tary System-	4.7	7	1	-		-	3	1	2
matic Fever, matism of Heart } natism	6.7 2:2 2.7 6.2 70.6 19.5 26.9 152.5 18.5 13.8	3 -2 3 76 10 28 170 17 10	- - - 5 8 1 2	1 2 3 13 4 6	7 13 3	1	1 34 1 - 59	- - 29 - 16 - 3	2	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	57.3	27 2		- - 1	3 1	11 1 11 1	21	-2 -	111 1 11
ture Birth tasis uital Malforma-}	49.9 2.4 8.1 44.5	35 2 6 47	35 2 6 -	-	-	-	-	19	28	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes -		6 12 3 15	12 - 4	-	1	1 1	2 5	2	1
exy	42·4 6·1 40·9 80·9	38 6 21 69	- 18 9	3	1 1	-2	10 1 - 20	21 3 - 17	3 - 7	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.6 9.5	17	1 1 1	-	1 1 1	- 8 -	-6	-3	1 1 1
es of Organs of all Sense -	<b>3</b> *6	3	1	1	-	-	-	1	-	OTHER CAUSES	43*7	38	33	1		2	-	2	-
e numbers in this co	lumn ar	e the	9 170	roce	A 707	ool	lw d	100	thef	or the ten years 1889-98, rais	ed by 5°2	13 pe	r c	ent.	for	· in	cres	ase	-

e numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase ulation. By those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered l men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." e evidence attinquests is often insufficient to enable the Coroner to certify whether a violent death be the result of nt, murder, manslaughter or suicide. All such causes are classed under "accident."

Table 5. LONDON.\*—Population; Births; Deaths from all Causes, and from Small-pox, Meas Scarlet Fever, Diphtheria, Whooping-cough, Fever Diarrhoa, Violence, &c., registered in e

								The I	EA·T	is reg	gistere	d du	ring t	he W	eekin	clude		
		Enume-			Deat	hsof			-	1	Deaths	fron	n					utions,
	REGISTRATION SUE-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATES.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Mearles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa.	Violence.	Inquest Cases.	Deathein Publicanstitution
-	LONDON -	4,411,710	3598	1419	277	362	_	51	9	24	39	-	6	_	12	64	141	451 
	WEST DISTRICTS	778,251 1,040,694 233,635 716,334 1,642,796	378 564 126 536 994	254 300 96 239 488 42	44 47 23 60 103	83 69 17 54 126	-	6 14 2 12 17	1 4 - 2 2 2	1 7 5 11	6 8 3 6 16	-	1 2 3 -	-	2 1 1 4 3	9 18 3 11 23	16 35 10 35 44 1	76 98 35 89 11:
	WEST DISTRICTS.  It. Mary Paddington $H = -G$ .	90,996 33,510	51 7	26	2 -	13		-	-		1			_	-	1 -	1 2	
I	Gensington Town $Ww - W$ . Brompton $HH- W$	122,164 48,301	62 5	42 9	5 2	13	-	1 -	-	-	1	-	-	-	1	1	3	1
I	North Hammersmith $\uparrow H$ of South Hammersmith $\uparrow H$ w. & G. Fulham $Wv$ $\downarrow$ W. & C.		31 29 88	12 17 45	5 1 15	3 3 7	- - -	1 - 3	- 1	- 1	1 2 -	-	-		-	1 - 	1 -	1
000	Chelsea Kensal Town - C. Chelsea North $WHHHHH$ - C. Chelsea South $HH$ - C.	21,450 42,057 33,139	10 14 20	18 6	- 2 3	2 7 1		-	-	-	1					1 -	2 -	
3	May Fair $W$ G. Belgrave $WHHH$ C. St. Jonn Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	56,140 31,492	21 15 4	16 16 8 4	3 4 -	9 5 2 2	-	1 -					- - 1			1 - 1	1 1 1 1	1
	St. James Westminster $\left. \begin{array}{c} N. \& G. \\ WHH \end{array} \right.$ St. Anne Soho $HHHHHHH$ - $N.$		7 10	8 5	1	3	-	-		-	-	-	-	-	-	1	1	
	NORTH DISTRICTS.  All Souls Marylebone      HHHHHHHHH  Rectory Marylebone W G. & W  St. Mary Marylebone G. & W  Christchurch Marylebone H - W  St. John Marylebone HHH W	19,798 19,637 32,547	9 8 29 17 16	7 5 10 2 7	1 3 2 3	2 3 -		-	-	-	1	-	-		-   1   -   -	1 1 1 -	1 1 1	
١	$\left. egin{array}{ll} {\sf Hampstead} \\ {\it WwHHHH} \end{array} \right\} - {\tt N.\&W}$	. 75,449	28	21	. 3	6	-	2	4	2	-	-	-	-	-	2	2	]
	Regent's Park Pancras $HH$ - W Tottenham-court $\left. \right\}$ - N. & W $wHHHH$ $\left. \right\}$ - N. & W Gray's Inn Lane $HHH$ N Somers Town $HH$ N Camden Town $WH$ N Kentish Town $WW$ N	. 26,757	14 16 19 6	9 8	1 1 2 -	3 1 - 4		_		1 - 1	1		-			3	3 2	
	$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWwHH \end{array} \right\} \text{N} \\ \text{Islington South-west}  \text{H} - \text{N} \\ \text{Islington South-east}  - \text{N} \\ \text{Highbury}  HH  -  - \text{N} \end{array} $	107,365 66,549	52 27	21 20	2	5	-		-	1 -		1111	-		-	3 1 -	6	
	Stoke Newington H - North Hackney - E. & North Hackney - E. & Northal Hackney ww - E. & Nouth-west Hackney HHH E. & Nouth-east Hackney WwH E. & Nouth-east Hackney WwH E. & Northal Research Res	213,044	( 26	177	7 2	-   3		. 3			-	1 1 1 1		-   -	-	1 1 2	l î	

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District in that that in which it stands; H—Hospital; L—Lunatic Asylum; L—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. sig Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. River; E. East London; and K. the Kent Company.

See note; on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, an re-named, North Hammersmith and South Hammersmith, respectively.

LE 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Garlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence &c., registered in each typ-Distrior during the Week ending Saturday, 20th May, 1899—continued.

							The	DEAT	rusr	egiste	red d	lurin	g the	Week	inslu	de		
	Enume-			Deatl	13 of				D	eaths	fron	a		ı			tution	s of
EGISTRATION SUB-DISTUICTS	rated Population 1896.	Total BIRTHS.	m 1	Intants under 1 rear of Age,	Personsaged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea	Violence	InquestCases	Deaths in Public Institution	Uncertified Causes
Charles 4.4 Drombicine		The second secon						the same of										
Gentral Districts.  George Bloomsbury N. Hiles South WH N. Hiles North H N.	16,110 12,976 2,151	10 4 4	4 4 5	1	2 1 1	-		-	-	-		1 1 1	-	-	-	-	11	
Marti 1-in-the-Fields $HH$ N. & C. and $WHH$ N. and Union Workhouse, Edmonton	13,077 11,839 +1,037	-2 1 -	6 2 -	2 -	1 -		-	-	-		1 1 1			-	1	1 -	4 2 -	-
born wHHHHHHHH - N.  Iames Clerkenwell - N.  well Clerkenwell - N.  well-street - N.  y-road HHHL - N.  itecross-street - N.  sbury - N.  born Union Workhouse,  itcham N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	14 9 22 10 31 4 5	18 2 7 4 18 2 1	8 1 2 - 4 1 1	1 2 1 2 1 -	-	1 - 1			1 1 2			1 1 1 1 1 1 1 1	1	1	- 1 1 5 1	11 - - 2 - 1	
Botolph $H$ N. & E. pplegate N. Sepulchre $WH$ N. sallows Barking N. ad Street $H$ N. $y$ of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	4 -3 1 2 -	3 16 2 - 1	1 1 -	1 - 1	-				1			11111	111111	1	1	10 -	
EAST DISTRICTS.																		
$egin{array}{llll} { m corditch\ South} & Hl & - & { m E.\ \&\ N.} \ { m xton\ New\ Town} & w & - & - & { m N.} \ { m xton\ Old\ Town} & - & - & - & { m N.} \ { m ggerston} & WH & - & - & { m N.\ \&\ E.} \ \end{array}$	29,575 27,645	9 17 20 39	3 7 7 20	2 6 4	2 2 - 6	- - -	2 -	-	-	-		-		1	1 -	3	1 2 9	1 7 1
thnal Green North $H$ - Exthal Green South Exthal Green East $WHl$ - E.	34,194	26 24 41	10 5 16	3 - 2	3 7	- 1 - 1 - 1 - 1	2 -		-	- 1 1			1-1-	-	- - -	1 1	- 8	-
italfields E.& N. le End New Town* WH - E. odman's Fields* E	51 995	13 33 13	6 46 4	3 3 1	2 4 1		-	-	2 -			1 -	-	-	- 3 2	1 8 2	40 -	-
George's North E John, St. George East W E	39,576 7,930	46	8 4	4 -	1 3		2 -	-	-	-		-	-	1 -	1	2 1	3	
adwell $H$ E. & N teliff $W$ E mehouse E	. 14,954	11	6 3 12	2	1 2		2 1 2	-			1 1 1	1				1 - 1	3 -	
ile End Old Town West H E ile End Old Town East - E	1 7 111,000	{ 58 47	6 18	24	25	-	-	-	-	2	-		-	ī	ī	3	4	1
l $l$ $l$ $l$ $l$ $l$ $l$ $l$ $l$ $l$	. 69,821	18 42 47	12 29 17	1 7 10	27		1		- 2 1	111	-		-	1	$-\frac{2}{1}$	2 4 3	3 14 2	

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-District during the Week ending Saturday, 20th May, 1899—continued.

			rday,	1		******				egister		ring	the W	eek i	neluė	le		
	Enume-			Dea-	thsof	1		-		Death							suo	, Jo
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total Births.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence.	InquestCases.	Deaths in Public Institutions	Uncertified Causes
SOUTH DISTRICTS.  Christchurch Southwark W HL.&S. St. Saviour Southwark - S. Kont-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 5 11 10 11 28 44 19	4 2 5 4 4 10 8 15 8		3 - 2 2 4 -	111111	2		1	111111111111111111111111111111111111111					- 1 - 2 - 1	111-2-32	2 - 1	
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	9 56 26	24 21 24	3 9 3	නනග					2	-	- 1			1 1 2	3 1 2	20 12	2 1
	28,396 18,770 40,994 52,486 43,244 81,825 29,318	20 11 28 36 19 40 20	9 18 14 11 9 21 4	152325	542342	111111	4 -	-	11111	1	111111	1		111111		1 1 1 2 - 1 2 -	27 9 -	111111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	50 49 27 47 13 27	19 24 11 17 3 14	7 8 3 4 - 1	3 4 1 4 3 5		1		1 - 1	1 1				11111	1 2 2 1	1 6 5 - 2	7	
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	.4 39 59 44	35 22 14	7 - 2	12 5 3		1 2 2	4711		1 1 1	1111	-	1 1 1 1	2	ī 1 1	2 1	20	1111
Deptford North K. Deptford Central w K. Deptford South K. Freenwich West H K. Freenwich East WH K.	36,152 45,441 33,402 23,012 37,767	28 25 12 6 17	5 12 14 2 18	18877	2 1 7 6		1 - 3	1.1.1.1	4	1 -		1			1 1 1	2 - 1 - 1	10	1 -
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	5 7 31 23	- 6 20 7	- 32	- 5 8 2	1 1 1 1	- - 1	2	- 1	1	1111			1111	2	- 2 -	9 2	1111
harlton wHH - K. Voolwich Dockyard - K. Voolwich Arsenal HHHH - K. lumstead West H - K. lumstead East WH - /K.	15,928 19,355 21,959 16,714 42,538	12 8 18 10 34	6 4 8 4 11	- 8.5 - 1	- 1 1 3	11111	1 1 1 1 1.	1111	3	11111	-	11111		- - -			5	- 1 1
tanstead Asylum	-		35 55 8 -1 -6 32 -10 4		1 5 - 21 - 3 - 3 -	1111111111										1	3 5 8 -1 -6 3 2 -10 4	111111111111

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES DEPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ding Saturday, 20th May, 1899.

							The	DEA	_			n the	Week	inclu	rde		_
		Enume-	reî.	ರಗ್ಗೆ	Deat	hs of			]	Death	s from	n				ic	ses
REGISTRATION SUR-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever,	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
DON-OUTER RING -	368,749	1,422,063	1030	448	93	121	1	15	1	8	16	-	5	17	36	49	2
Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	10 11	4 2	2	3 -		-	-	-	-	-	-	-	2	-	-
Godstone, part of* W -	2,754	1,598		1	1		-	-	_	-	-	-	-	-		-	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	78 14	33	10 1	11 2	-	-	_	-	1		-	2 -	4	6	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	11 19 8 2 11	3 11 - 3 5	1 - 2	1 6 - 1	11111	1111		1 -	- -	11111	11111	11111	1 -	5 1 1 1	-
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	10 5	12	1 -	4 2	-	-	-	-	-	-	-	1-	1 -	3 -	-
Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	15 10 13	5 3 11	- - 1	1 - 6	1 1 1	- 1	1 1 1	1 1 1		1 1 1	1 1 1	- 1 -	- 1 -	- 3	-
Bexley HHH Dartford WH, part of * -	12,540	30,590	27	12	4	3	1 1	-			ana nin		1 1	1 -	1	1	-
Sunbury w Staines WH	11,054 13,277	13,671 13,221	6	3 4	1 2	1	1 - 6	-	-	-		-		1 -	1 -	-	-
Hillingdon WHH, Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	9 3 8	5 2 4	2 1 -	1			1 1 1	1 1 1	1 -	7.1.1	1	1 1	1 2	1	
Isleworth WHH Twickenham HH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	16 11 17 18 20	17 1 11 5 7	2 - 2 2 1	7 1 1 2	11111	11711	11111	1111	1 1 1	11111	11111	1 - 1 -	1 1 1	5	1 - 1 - 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	13 1 78 7	2 20 6	6	6 2	1113	- 1	1111	1			1111	- 1	2.	1 3	
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	7 10 11	1 5 6	- I 3:	1 1 1	1		- 1.1	-	-	-	. <u>-</u>	1 -	1 1 -	-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	32 71 36 11 3	13 27 15 4 1 3	- 6 2 1 - 1	53311	11,111	1		1	1		1 -	2 -	1 22	1 3 1 -	
Hatfield, part of * W	3,306	582	-	-	-	-		-	-	-	-		-		-	-	
Bushey H Watford WH, part of* -	9,331	<b>7,</b> 737	3 -	1	-	1 -	-		-	=	-	-	-	-	7	-	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	36 55 46 37 50 48 66	11 23 23 19 24 23 27 4 2	3 6 5 2 7 1 8 1 -	4 4 4 6 5 6 5 2 1		1 4 - 2 - 2	T	1 1 -	1 2 4 1		1	3	4 - 1 1 1	1 2 1 8 1 2	-
Romford, part of * WH: - Hiord Barking Town, H	8,493	4,324 10,913 14,301	18 16	10 6	3	1	111	2 -	1-1-1			: -		111	ī		

eparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham riey in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst strict, except the parish of Chelsfeld, Cudham, and Knockholt (pop. 3,977); 135: 1, the parish of Northaw in d sub-district; 187: 1, Chigwell sub-district, except the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for our Diseases belonging to the Outer Ring in 42: 2, Dartford; 137:2, Watford; and 187: 2, Epping sub-districts.

B

MULINARY ENCORPT

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS) .- DEATHS and Rate of Mortality during the week ending Saturday, 20th May, 1899.

																-
			ANNITA	L RATE			The DE	ATH	s regi	stered	l in th	e Wee	ek inc	lude		
	Area	Population estimated	of MOR	TALITY 0 living.	DEATHS	Dea	ths of				Death	s from	n			ublic
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whosping-	Fever.	Diarrhosa,	Violence.	Deaths in P
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	10
GREATER LONDON	443,421	6,528,434	14.9	1.5	1867	370	_ 483	1	66	10	32	55	6	17	81	50
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	16·3 11·8	1.6 1.2	1419 448	277 93	362 121	1	51 15	9	24 8	39 16	6 -	12 5	6± 17	45

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

	TAPIN O		a	nd i	n certain	FOREIGN	CITIES.							
Ī							A DIDITIAT	DEA	THS	FROM I	PRIN		LZYM	OTIC
	CITIES	POPULATION (enumerated or estimated).	DATE OF RETU Week end		BIRTHS. Exclusive o	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoal
	EDINBURGH - GLASGOW DUBLIN	298,927 733,903 349,594 466,460	May " " March	20 20 20 4	148 504 182	106 290 180	18*5 20*6 26*8		2 17 2	1 5 1	1	3 2 3	2 1 - -	-
	CALCUTTA BOMBAY MADRAS	821,764 452,518	April	25	99 347	1272 317	80·5 36·4	9 2	59 11	2	?	?	544† 35	7
	PARIS BRUSSELS	2,511,629 551,011	May "	13 13	1089 242	943 157	19°5 14°9	-	.4	3	5*. 1*	. 11	15 3	1
	AMSTERDAM - ROTTERDAM - THE HAGUE -	512,758 311,301 196,325	99 7	6 6	260 194 108	131 88 49	13·2 14·6 12·8	-	-		1 2	2	-	
	COPENHAGEN - STOCKHOLM - CHRISTIANIA -	345,000 283,550 203,337	99 99 ~ 91	13 6 13	182 126 130	137 130 79	20.7 23.9 20.2	-	3 4	3 -	3 4*	2 - 2	-	
	ST. PETERSBURG MOSCOW	1,132,677 988,610	99 91	6	829	687	31·6 31·8	3	16 6	6	16	5 2	6	7
	BERLIN HAMBURG DRESDEN BRESLAU	1,805,054 675,351 389,300 406,012	April May April May	29 13 15 13	898 251 -	645 211 149 200	18.5 16.2 19.8 25.7		2	8 2	8 1* 1*	14 4 -	1 - -	1
	MUNICH VIENNA PRAGUE	445,000 1,606,629 380,497	99	6 13 13	357 957 199	217 717 176	25·4 23·0 23·8		24 2	- .4 1	2* 13*	5 -	- - 1	9
	BUDA-PESTH - TRIESTE	666,722 165,913	April	6 29 29	462 90 201	317 74 145	24·2 22·5 15·1	-	8 -	3 5	2 3* 1	1	5 - 3§	
	ROME TURIN (10 days) VENICE	500,610 344,203 169,883	May	20	77	77	23.6	-	- 2	-	-	-	-	
ĺ	CAIRO ALEXANDRIA -	570,062 319,766	April	8	-	300	-	_		-	-	-	-	1
	NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053 1,266,832	22	29 29	nee plan	501	20.6	-	-	5	- 18	2	- 37	
								1						

\* Including deaths from croup. † Including 442 deaths from plague. ‡ Including 6 deaths from cholera.

								Δ	Иet	eorole	gico	il (	Observ	ati	ons.						, , , , , , , , , , , , , , , , , , ,	<b>25</b> 9
		Ozone.		0.0	0.0	0.0	0 0	, çç	4.8	3.0	1.7	26	sea;	bulb	the er is	The nean	tions ment	eter,	eter.	nent, reek	the by	
collected	in a Gauge		Sinches above the Ground.	in. 0.02	0.37	0.94	10.0	0.00	0.04	0.23	Sum 0.97	25	el of the	Ine mea	wenty y 1868 for rmometor	umn 8).	observation observ	hermom	lectrom.	Instrum of the w	P.M. on 29.87 in increase	
-		on's.	Depar- ture from Average of 16 Years.	Miles.	67 7	L 958	007	+188	+109	+212	Sum +1043	24	ean leve	and th	ing the tending all their	air (colluced fr	nof the orizonts	ofthetl	ering E	inshine	by 10h.	
		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	806	202	100	200	357	460	Sum 2782	23	midnight ve the m	M., and 9k mometer	nade duri nade duri y years ne dry b	re of the	discussion hat of h	dexerror	elf-regist	Stokes St	o 29'80 in th; incre	
		he	Mean of 24 hourly obs.	lbs.	0.0	9 0	0.7	1.5 0.0	0 0	6.0	:	22	tht to set about duce t	3h.P.	twent of th	perati	rom a	thein	on's s	pbell-each	the 18	
		Pressure on the Square Foot.	Least.	lbs.	0.0		0.0	0.0	0.0	0.0	:	21	nidnig s 159 fc s to re	noon y	ic receipt	of tem	rived fig. 1890	tedfor	Ihoms N. ne	e Cam line on om 29°	incre M. on	
		Press	Great- est.	Ibs.	4.5		7 90	11.9	5.6	12.7	:	20	from reteri	he dr	graph graph luring	value degre	hatde sendir	correc	from'	om th sunsh sed fr	17th 3h. P.	
200 00 0000	Osler's.	General Direction.	P.M.	SSESW	& WSW.	SSW.	& SW.	& SS.W.W.	Saw.	WSW.	W.	19	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 130 feet above the mean level of the sea; so correction has been applied to the readings to reduce to sea leyel.	Observations are usually taken at 9h. A.M.; noon; 3h. P.M., and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb the more than wet bulb the eye-readings of the barometer, the dry bulb the more than the form of according to the part of th	therithmeter, the converted into mean daily values by the application to controlled deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is ending the controlled mean reading of the dry bulb thermometer is	the monotonic state of the stat	The average temperature of the air is that derived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the anemometric records for the 15 years ending 1875.	treating continues and 41th Will be borne in mind that + indicates myner, and '/Jones', 'Jones', 'Inan the average.'  The valuesgiven in column 17 arenot corrected for the index error of the thermometer.	which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer The record of Electricity is derived from Thomson's self-registering Electrometer The symbols employed are:—P. positive; N. negative; w. weak; m. moderate	8. survoig : and v. variables. derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.  The reading of the barometer decreased from 25%7 in, at the beginning of the week to stop in by 0, and of the lifth increased to 29%7 in, by 10, p. M. on the 15th increased to 29%7 in, by 10, p. M. on the 15th increased to 29%7 in, by 10, p. M. on the 15th increased to 29%7 in, by 10, p. M. on the 15th increased to 29%7 in, by 10, p. M. on the 16th increased to 29%7 in, by 10, p. M.	29.65 in. by	week.
		General I	A.M.	SWS	& SSE.	SOM.	& WSW.	& WSW.	S S S S S S S S S S S S S S S S S S S	SW. &	S		upply to the it the cistern as been app	sare usually	a discussion or the baror With the	forming the	temperature wich during a discussion	olumns y and on the averagiven in colur	be determin of Electricit employed a	S. Strong; and v. variable. The numbers in column 2 show the aggregate duratis The reading of the baro	9:52 in. by 5h sereased to	end of the
*EFA		Of the Earth	s reet below the Surface.	50.46	50.77	E0.03	Jane Jane	76.00	51.15	51.52	20.98	17	sults seight o	vation -readin	from 1873 fc neters	neters,	erage Green r from	aing c r,"tha aluesg	annot scord mbols	f; and umber e aggr eading	ay; do	by the
TO TWO T		rion.	Lowest on the Grass,	0 41.4	41.0	04.6	34.3	43.T	0.67	48.7	42.0	16	The re The h	Obserthe eye	deduced ending thermor	thermor mean da	Theav made at of the ai	The va	which c The re The syr	S. strong	decrease day	29.71 in.
TAT		Radiation.	Highest in Sun's Rays.	108:0	2007	199.1	133.1	195.0	5 CeT	114.3	123.1	15			Overcast in morning with heavy rain between 5h. A.M. and 10h. A.M.; fine and partially cloudy afterwards.	Variable, Frequent heavy showers, with lightning and thunder at lh. P.M. Lunar	Overcast in morning with rain between 3h. A.M. and 5h. A.M.; fine afterwards with variable amounts of cloud. Strong gusty	Fine; partially cloudy. Faint Solar halo in forenoon. Gusty wind in afternoon and	evening. Fine and partially cloudy in morning; overeast afterwards, with oceasional showers.	Gusty wind		
	Degree		ration equals 100).	8	, ,	- E	E) 1	88 8	00 7.6	84	75	14	KS.		avy ra	nowers P.M.	rward:	rt Sola	n mo onalsk			
tween	rature	ire.	Least.	0 1	7	1.0	ेंग		1.0	0.3	1.8	13	MAR		ith he n. A.M	avy sl	vith rate after	Fair d in a	oceasi	owers.		
ence pe	the Air Temperature and Dew Point	mperati	Great- est.	0 &	0 1	OCT	16.3	17.3	74.5	8.01	14.9	12	AL RE	ery.	ing w nd 101 terwar	ent he	ning v M.; fin of clo	loudy.	lly elc s,with	nalsh vening		
Diffe	the Ai	T	Mean daily value.	0 5					1 2		6.2	F	GENERAL REMARKS	Showery.	a.M. a	Frequid thu	n mor 5h. A.	ially Gust	ening. Fine and partially cloudy in morning ereast afterwards, with occasional shower.	Occasional showers. n and evening.		
	of the	point.	Mean daily value.	0 7	# 5	45.5	43.7	43.2	1.15	51.4	46.5	107	<u>G</u>	Overcast.	reast in 5h. Ily elo	able, ing an	reast i	; part	ig. and istafte	Cloudy. Cafternoon		
· E.			De- parture from Average of 50 years.	0 -	+ 6	0.71	11 - 11	+ 0.5	+ 5.4	+ 2.0	+ 1.0	6		Ove	Over tween partia	Vari	3h. A.N	Fine for	evening. Fine a	Cloudy. Occasionalshe in afternoon and evening		
RATUR		ir.	Mean daily value.	0 1	0 # 0	0.00	52.0	53.5	0.60	56.2	54.4	8	Registered Sun above Sunshine Horizon, in hours.	15.5	15.5	9.21	15.6	15.7	15.7	15.8	Sum 109.4	29
TEMPE		Of the Air	Daily Range.	0 19.0	120	27	15.4	13.9	0.77	10.3	14.4	7	ared Su ine H ins. in									
			Low- est	0 0			46.5	47.8	49.2	52.8	48.3	9	Regista Sunsh in hor	0.5	5.5	%.8 	6.5	9.8	3.5	Q-01	Sum 33.9	28
			High-est.	0 3					70.7		62.7	5	r. 1 of te.)	- s	A.M.; N. till after-	P.M.;	after-	P.M. ;	is.	rand P.M.;		
METER.	Mean	daily reading	rected and re- duced to 32° Fahren- heit).	in.	79.29T	29.266			29.700	29.590	29.568	1	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally	w. P. till 5h. A.M.: v. P. and v. N. till M. P.M.; w. P. after-	till 7h.	and v	till 6h.	through	general M.: v. P till 3h.		27
		Phases	Moon.		:	:	Apogee	First Quarter.	: ;	Equator		60	ELI (For el	w. P.	w. P. 8	v. P. and v. N. gen- erally till 7h. F.M.;	v. P. 6b. A.M. wards.	w. P. till 2h. P.M.;	W. F. a.	w.P. generally till 10h. A.M.: v. P. and v. N. till 3h. P.M.: w. P. afterwards.		
			ND		#	or -	- 16			- 120	1	nu -		- 14	- 15	- 16	17	18	- 19	- 20		1
	1800	.000	MONTH AND DAY	I.Y.			TUESDAY	WEDNESDAY	THURSDAY-	SATURDAY.	MEANS	No. of Column	DATE.	SUNDAY .	Monday .	TUESDAY .	WEDNESDAY	THURSDAY-	FRIDAY	SATURDAY		No. of Col

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

#### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 21. 1899. Vol. LX.] WEEK ENDING SATURDAY, MAY 27. [Price 11d.

> General Register Office, Somerset House, May 29th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 16.0 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

	1	Weeks	endin	g	Ī			7	Veeks	endin	g
Towns.	May 6.	May 13.	May 20.	May 27.		Towns.		May 6.	May 13.	May 20.	May 27.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	18·1 16·6 13·1 19·9 18·1 17·3 16·6 16·1 10·9 15·5	15·5 17·4 19·3 21·0 15·7 15·4 18·0 15·4 13·5 14·2 21·3 14·6 16·9	13·8 19·8 16·0 9·8 15·7 14·2 14·9 13·6 15·6	12·7 14·4 15·4 12·2 16·1 13·5 13·3 15·2 11·2 12·2 10·8 11·2 11·1 17·6		Leicester - Liverpool - London Manchester - Newcastle-on-T Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea - West Ham - Wolverhampto	-	16·0 20·3 17·3 14·7 15·2 17·6 22·3 14·8 19·5 19·8 14·6 17·2	25.6 16.4 24.9 16.9 20.5 18.7 21.3 26.8 20.5 21.5 13.1 11.1	15·4 23·9 16·3 24·6 13·9 16·1 21·4 3 23·8 13·9 17·3 3 21·3 6 16·3 6 20·1 15·6 14·4 21·7	20·8 15·7 21·4 16·9 13·8 17·4 20·4 15·5 18·6 21·3 17·4 17·5 20·1 13·6 10·4

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.1 in Nottingham, 1.2 in Salford, 1.4 in Sunderland, and 2.0 in Manchester; from whooping-cough, 1.0 in Plymouth, 1.4 in Burnley, and 1.8 in Wolverhampton; and from diarrhæa, 1.2 in Wolverhampton. In none of the thirty-three towns did the death-rate from scarlet fever or from "fever" reach 1.0 per 1,000. The 59 deaths from diphtheria included 23 in London, 5 in Leicester, 5 in Sheffield, and 3 in London. Leeds. Four deaths from small-pox were registered in Hull, and 1 in Oldham, but not one in any other of the thirty-three towns.

#### LONDON.

In LONDON† 2306 BIRTHS and 1366 DEATHS were registered. Allowing for increase of population, the births were 299, and the deaths 215,

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16·0, 16·4, and 16·3 in the preceding three weeks, further fell last week to 15·7. During the four weeks ending on Saturday last the death-rate averaged 16·1 per 1000, being 2·2 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1366 deaths included 61 from measles, 5 from scarlet fever, 23 from diphtheria, 34 from whooping-cough, 4 from enteric fever, 10 from diarrheea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 137 deaths were referred to these diseases, being 82 below the corrected average

weekly number.

The deaths from measles, which had been 36, 49, and 51 in the preceding three weeks, further rose last week to 61, but were 18 below the corrected average; 7 cases belonged to Hackney, 6 to Fulham, and 5 to Lambeth sanitary areas. The deaths from scarlet fever, which had been 10, 2, and 9 in the preceding three weeks, fell again last week to 5, and were 11 below the corrected average. The deaths from diphtheria, which had been 21, 40, and 24 in the preceding three weeks, were 23 last week, the corrected average being 37; 4 cases belonged to Newington, and 3 to Lambeth sanitary areas. The deaths from whooping-cough, which had been 47, 39, and 39 in the preceding three weeks, further fell last week to 34, and were 27 below the corrected average. The fatal cases of enteric fever, which had been 7, 8, and 6 in the preceding three weeks, further fell last week to 4, and were 4 below the corrected average. The deaths from diarrhea, which had been 12, 9, and 12 in the preceding three weeks, fell again last week to 10, and were 6 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 251, 257, and 257 in the preceding three weeks, were 256 last week, the corrected average being 288. The deaths attributed directly to influenza numbered 27, having been 25, 29, and 26 in the preceding three weeks.

Different forms of violence caused 68 deaths, concerning all of which inquests were held. Of these 68 deaths, 5 were cases of suicide, and 2 of homicide, while the remaining 61 were attributed to accident or negligence. Six of these were referred to vehicles in the streets, 12 to drowning, 2 to the effects of anæsthetics administered for surgical purposes, and 18 (of infants

under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2201 cases of scarlet fever, 1111 of diphtheria, 102 of enteric fever, and 1 of typhus under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 229 cases, against 219, 259, and 211; of diphtheria, 143 cases, against 182, 149, and 145; and of enteric fever, 19 cases, against 15, 11, and 16.

GREATER LONDON.

In Greater London 3213 births and 1786 deaths were registered, corresponding to annual rates of 25·7 and 14·3 per 1000 of the estimated population. In the Outer Ring 1 death from small-pox, 15 deaths from measles, 1 from scarlet fever, 15 from diphtheria, 10 from whooping cough, 1 from "fever," and 4 from diarrhea were registered. Eight deaths from measle and 7 from diphtheria occurred in West Ham district; 3 deaths o diphtheria occurred in Edmonton district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.83 inches, and that of the Thermometer 49.5; the latter being 5.9 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 14 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 29.3 hours; the measured rainfall amounted to 0.66 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Searlet Fover, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

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	CILIES	BOROUGHN		Cols.	33 TOVINS.	LONDON.	WEST HAM.	CROYDON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON,	BIRMINGHAM.	Norwich.	LEICESTER.	NOTFINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	MANCHESTER	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN.	FRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	SHEEPIELD	The state of the s	GHADERIAND	GATESTEAD.	NEWCASTIE	T BH CESTER
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egistered	the Week ending 27th May 1899.	BIRTHR, D			5668	2306	140	48	28	200	141	92	45	29	12.6	65	116	105	37	19	400	7.4	202	- 92	47	58	26	33	31	81	233	216	145	68	91	113
R	OPULATION	to the middle of the Year 1899.*		1,	11,404,408 5	4,546,752	_	127,759	123,226	150,741	150,001 320,911	185,826	103,722	8000	514 956	113.266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	150 759	113,081	135,154	117,622	103,464	97,721	236,241	423,889	361,169			_	228,625
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Table 2. LONDON.—Births and Deaths Registered in the Twenty-First Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2402	2443	2681	2508	2242	2414	2640	2421	2437	2569	2604.8	<b>2</b> 306
Males Females -	1218 1184	1265 1178	1388 1293	1262 1246	1152 1090	1218 1196	1337 1303	1228 1193	1264 1173	1327 1242	1331·9 1272·9	1185 1121
TOTAL Deaths -	1267	1451	2337	1534	1459	1440	1371	1509	1275	1385	1581.1	1366
Males Females	664 603	742   700	1166 1171	802 732	758 701	764 676	709 662	810 699	662 613	697 688	817:9 763:2	736 630

The numbers in this column are the average weekly numbers in the twenty-first week of the ten years 1889-98, raised by 5 213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

						HIELI							
10	Mar.	Mar.	Mar. 18.	Mar. 25.	Apr.	Apr.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.	May 27.
TOTAL Births	2676	2627	2613	2480	2609	2554	2875	2759	2693	2623	2574	2598	2306
TOTAL Deaths	1925	1954	2099	2025	1922	1816	1624	1499	1478	1397	1428	1419	1366
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	395 229 91 249 387 474 100	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever	36 7 48 64	- 38 9 36 55 - 9	35 7 45 73	33 4 37 90	37 4 31 57 -	29 8 34 58	- 34 6 20 54 - 14	51 7 29 47	45 6 26 54 -	36 10 21 47 7	- 49 2 40 39 - 8	51 9 24 39	- 61 5 23 34 -
Simple Continued Fever - Diarrhœa and Dysentery Cholera	12	13	8 -	11	7	11	4	7	10	12	9	12 -	10
All the above Diseases -	176	160	175	179	146	146	133	144	145	133	147	141	137
Dis. of Respiratory System – Phthisis – – – – – – – – – – – – – – – – – –	470 206 183 76 182 577	529 202 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443
TEMPERATURE OF THE AIR.			- [										
Mean Mean of Highest readings - Mean of Lowest readings -	38.0° 47.7 28.3	40.2 49.4 31.1	42.5 52.4 33.8	32°2 40°9 24°8	50·1 59·0 43·2	48.9 56.1 44.0	43.9 52.2 37.2	43.4 52.3 34.7	50°1 57°3 44°1	46.4 55.3 37.2	50.9 62.2 41.7	54·4 62·7 48·3	49.5 57.1 43.2
Humidity of the Air	79	73	87	68	77	77	80	75	76	67	75	75	78
Rain-fall (in inches)	0.01	0.07	0.00	0.11	0.37	0.49	1.27	0.43	0.79	0.00	0.01	0.97	0.66
Registered Sunshine (in hours)	34.1	43.7	19.7	31.3	19.5	25.3	21.9	26.5	17.8	49.7	43.0	33.9	29.3
CASES OF INFECTI	ous s	ICKNE	SS IN	Hosp	TALS*	AT TI	HE EN	D OF	EACH	WEEE	ς.	1	,200
			2437 1261 183		$\begin{bmatrix} 1 \\ 2322 \\ 1165 \\ 148 \end{bmatrix}$			2144 1034 125	2131 997 124	2139	2210 1065 107	2161 1066 99	2201 1111 102
* Th	e Metr	opolit	an Asy	rlmm o	nd Lo	ndon I	Corrow T	T	-1-				/

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their mateorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Haisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. ?roston, Esq., F.R. Met, Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Eqq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S., Preston; A. ohnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4.

			7	Cwı	ENT	Y	Fib	ST	W	ee	k of the Year 1899.									
	the	8	In	the day,	Weel 27th	k en Maj	ding y 189	9.			. '	the		Ir Satu	the	We 7, 27t	ek er h M	ading ay 18	99.	
	for		Des	ths	of Pe	erso	nso	Ē.				for 10		De	aths	of l	Perso	ns o	f	
AUSES OF DEATH	Averages sk of the 1889-98*.	202		nder 20.		der 40.	der 60.	der 80.	and s.		CAUSES OF DEATH	Averages of the 1889-98*,	ES.	T	7nde 20.	r	under 40.	under 60.	under 80.	s and
	Corrected 21st Week	ALL AGES,	10	1-5.	5-20.	20 and under 40	40 and under 60		80 years a		·	Corrected 21st Week	ALL AGES.	0-1.	1-5.	5-20.	20 and ur	40 and us	and	SC years upwards,
AUSES	1581:1	1366	<b>2</b> 96	174	73	166	295	289	73		Diseases of Circulatory System }	131.2	134	2	2	8	22	48	44	8
$\begin{array}{c} \text{Il-} \left\{ \begin{array}{l} \text{Vaccinated} \\ \text{Unvaccinated} \\ \text{No Statement} \\ \text{les} \\  \\  \\ \text{t Fever} \\  \\  \end{array} \right.$	0.6 0.9 1.2 78.7 15.8 0.2	- 61 5	13	45			J-1-1-1-1-1	1 1 1 1 1 1		ACCOUNTS TO SECURITY TO SECURITY SECURI	Croup	3.5 137.0 120.9 6.2 20.4	107 125 6 18	22 16 -	8 23 1	1 5 1 1	15 - 2 -	14 43 4 8	46 15 1 6	14 3 - -
sing Fever enza pning-cough theria le Continued and defined Fever - ric Fever era and Chol. Diarr. thosa, Dysentery -	42:1 60:9 36:7 0:3 7:9 0:4 15:6	27 34 23 - 4 - 10	15 2 - - - 7	1 18 15 - - -	1 6 - 1	6 - 1 - 1	4 - - 2 - 2	15 1	1	The state of the s	Dentition	10.5 1.7 13.8 5.7 24.0 27.3	12 1 21 2 22 23	8 1 15 1 2 5	2 -	1 - 2	3 - 4 2	1 8 3	- 8	
ittent Fever	11.3	1 7	- - 1 5				- 1	-			Diseases of Lymphatic System & of Ductless Glands	2.6		-	-	-		-		_
real Affections ipelas ipelas ipelas ipelas ipelas ipelas ipelas ipelas ipelas	3·6 1·9 4·0 1·8	1 1 3 1			1 1 1 1	1 2 1	1 -	1	-	H	Diseases of Urinary System	42:3	45	-		2	9	12	21	1
ish	0.8		-	-	-	-	-	-			Diseases of Generative System Accidents of Childbirth-	4.6 4.6	3 2	-	-	-	1	1	1	
ms and other Para- ical Diseases -	0.2	1	_		-	-	-		-		Diseases of Locomotive	7.5	-	-		-	_	-	-	-
vation, Want of east-milk } holism	0.8 10.7	2 7	2 -	-	-	4	3	-	-	-	Diseases of Integumen- tary System-	5'4	1		l –	_	_	-	-	-
nmatic Fever, counatism of Heart } unatism	6.0 1.9 3.6 6.2 68.9 18.9 26.3 155.3 21.1 12.6	2 1 2 6 76 11 30 141 10 8		8 1	1 1 1 2 1 1 1 2 1 1 2 8 4 13 2 2	57	34	31			VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations In Conflagrations - By Burns, Scalds, Explosions		1 6 1 1 -				1 -	- :	1 -	ī - -
mature Birth ectasis	3.9	45 3 9 47		5 - 9 -		-	-   -		-   -	0	By Drowning - By Suffocation in Bed By Poisons or Poisonous Vapours - Other or not stated causes -	(   1	12 18 5 15			1	1	-	1 -	
plexy lepsy vulsions er Diseases of Brain ) ad Nervous System	42.5 7.6 36.6 86.0	47 6 28 72	2		2 1 4 4	.   .	-   -	3 27	-	4 - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.2 9.3	1 600 1.0	5   -	1 -			3   -	1 -	2 -
eases of Organs of pecial Sense -	3.1	3	-		1 2	3	-	-	-	-	OTHER CAUSES -	46.4	4	1 :	36	3	-		1	1 -
FD1 2				-			- 1	-	-12		S +1 4 cm 1000 (10 mg	igned byr	5.013	ner	CA	nt. 1	or	ine	reas	зе

The numbers in this column are the average weekly deaths for the ten years 1880-08, raised by 5°213 per cent. for increase

The numbers in this column are the average weekly deaths for the terry consistence of the collection. Only those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered only those cases of small-pox are returned as "vaccinated," or when the deceased has, or has not, been vaccinated, or when the ise of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ident, murder, manslaughter or suicide. All such causes are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEA SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in

X ,							The	DEAT	HS re	giste	red di	uring	the W	eek i	nelue	le	
	Enume-			Dea	thsof	1				Deatl	hs fro	nı					I
REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS.	Total DEATHS,	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-ocugh.	Typhus.	Enterio (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence.	Inquest Cases.	The section of the se
LONDON -	4,411,710	2306	1366	296	362		61	5	23	34		4	-	10	68	139	143
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	367 513 109 456 861	239 281 73 273 476	38 58 15 78 107	69 71 17 62 135	1111	7 17 4 17 16	1 -	3 6 - 2 12 -	5 4 2 11 12	1 11 11 1	1 1 - 2		4 1 2 2 -	12 13 5 17 21	25 22 13 40 39	94 81 28 89 123
WEST DISTRICTS.  St. Mary Paddington G. & W. WHH St. John Paddington H G.	90,996 33,510	56 5	21 8	3 -	7 4 16	-	1 -	_		1	_	~		1	1	2	4
Kensington Town $Ww - W$ . Brompton $HH - W & C$ .  North Hammersmith $H \\ W & G$	122,164 48,301 44,638	57 12 32 24	38 14 11	3 1 4 3	3	-	-	-	-	1 1	-	1 -	-	-	1 -	5 1 1	15
Chelsea Kensal Town - C.	59,561 113,781 21,450	76 8 20	15 47 3	15	2 3 7 - 11	-	6	-	2	1 -	-	-	-	-	2133	2 5	18
Chelsea North $WHHHHHH - C$ . Chelsea South $HH$ - $C$ .  May Fair $W$ - $C$ - $C$ .  Belgrave $WHHHH$ - $C$ - $C$ .  St. Jonn Westminster $HH$ - $C$ .  St. Margaret Westminster $H$ .	42,057 33,139 23,827 56,140 31,492 22,097	6 18 17 3	30 6 10 20 5	2 1 3 3 -	6 5 - 2	1111	1	1 1 1	1			1 1 1 1	111111	11111	21	3 -	18 2 10 11 -4
St. James Westminster N. & G. St. Anne Soho HHHHHHH - N.	23,050 12,048	10	1	-	1	-	-		-	-	-	-		-	-		1
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611 75,449	11 11 22 11 8	11 1 7 4 1	- 1 2 1 1	1 - 1 - 2	1 1 1 1 1	2	2		1	1 1 1 1 1	11111		1 1 1 1	22	2 - 2	8 1 6
Regent's Park Paneras   HH - W.	37,341 -26,757 29,426 32,161 16,669 98,410	15 5 20 25 12 59	10 14 12 10 12 18	2 1 2 6 4 4	4 4 1 2 4 4		1 1 1 1		1	- 1 1 1 -			1 1 1 1 1	1	1 1 1 1 1	1 3 - 1	2 10 4 - 5
$ \begin{array}{c cccc} \text{Upper Holloway} & & & - & & \text{N}. \\ \hline WWWwHH} & & & & - & & \text{N}. \\ \text{Islington South-west} & & & & - & \text{N}. \\ \text{Islington South-east} & & & - & & \text{N}. \\ \text{Highbury $HH$} & & & - & & \text{N}. \\ \end{array} $	98,273 107,365 66,549 64,577	60 52 28 25	43 18 14 14	6 4 2 5	17 4 5 3		- 1 3		-	1	1111		-	1	2 2 1	3 2 - 2	29
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.&N.	33,485	20 13 18 32 35	12 4 13 19 25	8 - 8 - 5	3 1 8 7		1 52 -	1	1 1	11111			1111	1	1 1 2 1	1 3 1	- 4 3 11

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signify Grand Junction Company; W. West Middlesex; C. Ohelsea; S. Southwark and Vauxhall; L. Lambeth N. N. See note ton first page of this Return.

\*See note ton first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEA, VIOLENCE &c., registered in each TB-DISTRICT during the Week ending Saturday, 27th May, 1899—continued.

JB-DISTRICT during the We	ek ending	g Satu	rday,	27tl	ı Ma	ay, 1	899	-co	ntin	rued	•							
							The	DEA	THS	regist	ered	durin	gthe	Week	ineli	ade		
	Enume-			Deat					]	Death	s from	m					utions	of
EGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhoea,	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes Death
CENTRAL DISTRICTS.																		
eorge Bloomsbury N. iles South $WH$ N. iles North $H$ N.	16,110 12,976 9,151	4 14 4	3 4 2	1 -	$\frac{1}{2}$	1 1 1	-	1 1 1	1 + 1		-				<u>-</u> -	1	3	
Tartiu-in-the-Fields $HHN$ . & C. and $WHH$ N. and Union Workhouse, Edmonton	13,077 11,839 +1,037	2 4 -	7 9 2	- 2 -	21211		ī 1	1 1 1	-	800 000 000	-		-	1 1 1	-	1 1 1	6 4 2	-
porn wHHHHHHH - N. ames Clerkenwell - N. well Clerkenwell - N. well cheet - Nroad HHHH - Nroad HHHH - N. bury - N. bury - N. torn Union Workhouse, tcham - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	8 1 7 20 24 4 1	8 4 4 5 12 2 -	1 1 5	1 1 1	111111	1 1	1 111111	1111111	1 1 -				1	1 2	2 1 2 6	1 1	1111111
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	6	91 -		- 3	111111	11111	111111	11111			111411	11111	111111	1	1 1 1	6	111111
EAST DISTRICTS.																		
reditch South $Hl$ - E. & N. tton New Town $w$ - N. tton Old Town N. & E.	17,975 29,575 27,645 47,163	7 12 20 28	10 10 10 18	2 4 3 4	326	1111	- 2 1	1 1 1	1111	1111	-	1.1.1.1	1111		1 2 1	1 3 3	- 3 - 1 6	1 -
hnal Green North $H$ - E. hnal Green South E. hnal Green East $WHl$ - E.	49,301 34,194 45,667	30 24 25	12 8 17	3 4 4	4 1 3	1.1.1	1 2 -	-	1 1 1	2 -	111	-	-	- 1	1 - 1	3 1 3	- 7	a
salfields E. & N. e End New Town* $WH$ - E. dman's Fields* E.	26,681 } 51,995 {	21 20 12	7 32 3	2 7 1	1 4 1		2 -		-	- 1 -				- 1 -	ī -	3	28. -	
George's North E. John, St. George East W E.	39,576 7,930	34 6	10	4 4	1 3	-	2 -	-,	-	2 -	-	-	-	-	1	1 2	8	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	4 6 13	8 5 10	3 - 2	2	- v:	2 1 1	-	- 2	- 1 -					2 - 1	3 - 2	1 1 00	-
e End Old Town West H E. e End Old Town East  - E.	111,060	{ 54 25	21 18	9 4	7 6		1	-	-	22	-	-	-	1 1	1	3	9	-
w $l$ $   E$ omley $wwH$ $   E$ .	41,687 69,821 57,759	22 54 39	11 43 19	4 7 7	1 15 2		1 3	_	-	1 1	1 1 1	-	-		1 3	1 4 3	23 1	1 1 3

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 27th May, 1899—continued.

							The	DEAT	HSre	gister	ed du	ring t	he W	eek i	nclud	е	
,	Enume-			Deat	hsof				I	eath	s from	n					
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS;	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhos.	Violence.	InquestCases.	
SOUTH DISTRICTS.	E COLL - Comments (College)						4.0										
Christchurch Southwark   WHL.&S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	8 6 10 6 7 27 36 21	5 -7 5 6 11 15 13	34 154 1	2 1 1 2 3 2	1111111	1		1	1 2 1 2		1111111	111111	1 1	1 1 1	1 2 2 1 -	
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	4 35 26	17 25 13	1 8 2	2 7 4	111	2	1 1 1	-	1		-	-	-	3. 1	3 3 2	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	17 16 34 32 14 39 10	7 13 22 14 12 20 3	2143251	1 11 2 5 7 2	1117111	- 2 1 2 -	111111	1 2 -	1 2 -	111111	1.1.1.1	111111	1111111	2	- 2 3 - 1	1
East Battersea S. West Battersea	71,730 93,385 46,953 58,101 20,566 61,644	42 43 25 38 8 38	12 33 10 8 3 14	5621	10 2 1 1 4	11111	1	11111	- - - 1	11,1,1,1	111111	1	11111	11111	1 1 - 1	11111	1
Dulwich I. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	33 48 41	1 32 21 17	3 6 11	1 13 7	1 1 1	1 2 1			1		-	-	1 1 1 1	1 1 2	2223	1
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	14 28 16 11 17	5 8 8 7 18	2322	1 2 2 9		2 -		2 -	1111	11111		1111	1 1 1 1 1.	1 1 - 1	11111	1
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	10 28 19	3 2 23 6	4 -	3 - 10 4	1 1 1 1	1	-	- 3	1111		1 1 1	-	1111	- 1 1	- 1 1	1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	7 11 5 3 26	6 6 7 4 14	1 3 1 - 5	2432		11111	1	2 -	1111	1111			11111	ī - 1	1 1 1	
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartiord Darenth Asylum - London County Asylum. Dartiord Heath Colney Hatch Asylum		THE FILLS	5 		1 31 - 2		11111111111			114111111111		11111111111	1111111111	11111111111	11111111111		

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES SPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ding Saturday, 27th May, 1899.

ding Saturday, 27th May,						_	The	DEA	THST	egiste	red in	the	Week	inclu	de		_
•		_			Deat	hs of			1	Death	s fron	1					_
REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS,	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fewer.	Diarrhoea.	Violence,	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
DON-OUTER RING -	368,749	1,422,063	907	420	81	124	1	15	1	15	10	1	4	16	29	34	3
Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	11 · 5	5 <b>2</b>	1 ~	1	-	1	-	-	-	-	-	-	-	1 1	-
Godstone, part of* W -	2,754	1,598	-	-	-		-	-		-	-	-	-				-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	56 11	34 6	4 2	14 1	-	_	-	1 -	ī	-	1 -	-	-	2 -	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	18 21 6 10 10	7 9 2 - 2	1	3 5 1 -	1111	3111	1111	- - 1			11111	1111	1	- - 1	
Richmond WH	2,160 2,823	25,389 16,159	10 10	3		2 2	-	-	-	-	-	-	1	-	-	1	-
Bromley $HHH$ Beckenham $H$ Chislehurst, $part of*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	17 14 10	6 3 1	2 2 1	1 -	1 1 1	1 1 1	1.1.1	1 -	1 -	1	-	1 1 1	-	1 -	1 -
Bexley HHH	12,540	<b>30,</b> 590	25 -	12	3 -	5	-	-	- -	-	1 -	-	Ī	-	-	ī	-
Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	8 7	3 6	1	2	-	- : -	-	1.1		-	-	-	1	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	9 3 15	2 1 5	1 -	1			-	1 1 1	-	111	-	1 2	1 2	-	-
Isleworth WHH Twickenham HH Brentford HHHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	14 11 14 14 14 17	5 6 18 7 12	3 2 5	1 7 3 3	11111	- 2 -		1 -	- 1		1111	1 1 1 1	2 2 1 1	-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	9 53 12	2 1 24 10	1 7 2	1 - 5 3	1 1 1 1	- 2 -		1111	- 1	11114	- 1 -	3 -	3 -	- 6	
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	2 4 11	- 3 4	- 1 1	1 1	ī 1			-	-		-	1.1.1	-		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	28 62 33 20 4 6	11 29 9 10 2 1	2342	4 2 4 1	11111	2 -	11.1111	3	1		1	1111	1 - 1 -	1 3 -	11111
Hatfield, part of * W	3,306	582	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bushey $H$ Watford $WH$ , $part of *$ -	9,331	7,737	2	1 -	-	1 -	-	-	-	-	-	-	-	-	-	-	-
$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	26 52 44 18 45 40 41 3	12 19 16 9 22 32 23 4	3 3 4 1 6 6 3	3 8 3 2 4 11 3 2	11111	1 1 1 3 -	1 - 1	2 1 2 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11 111111	1	2 2 2 3	3 - 1 2 3	1 8 -	-
Romford, part of WH - Ilford Barking Town, H Middlesex County Asylum, Wandsworth.	6,556 8,493 3,814	10,913	21	2 7 3 4	2	12 -		1 -		1 -	-	1.1.1.	-		1 1 -	1 - 4	-

eparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst strict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in Id sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 309); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS an Rate of MORTALITY during the week ending Saturday, 27th May, 1899.

												_		_	_
			ANNUA	L RATE	1 :		The D	SATE	(S reg	istere	d in t	he We	ek in	clude	
	Area	Population estimated	of MOR	TALITY 0 living.	DEATHS	Dea	ths of	1			Deat	hs fro	m		
GREATER LONDON.	Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoa.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15
GREATER LONDON	443,421	6,528,434	14.3	1.5	1786	377	486	1	76	6	38	44	5	14	84
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	15·7 11·1	1.6 1.2	1366 420	296 81	362 124	1	61	5:	23 15	34 10	4	10 4	68

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivale the area of a circle having a radius of 14.851 miles.

Table 8.—Births and Deaths and Rate of Morfality in Edinburgh, Glasgow, Dublin and in certain FOREIGN CITIES.

* 1			and 1	ın certain	FOREIGN	CITIES.						
	POPULATION	_	-			ANNUAL	DE	ATHS		M PRI DISEA	SES.	L ZYI
CITIES,	(enumerated	OF RET		BIRTHS.	DEATHS.	DEATH- RATE	00X.	eg.	et r.	eria.	ing-	ìr.
0111	or estimated).	Week er	ding	Exclusive	of Stillborn	per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
						1	1 %	FI	_ ^	Ä	🖹	1
EDINBURGH	298,927	May ·	27	162	84	14.7	:	1	-	-	4	1
GLASGOW	733,903 349,594	22	27 27	510	267 178	19°0 26'5	- :	9	2		4	. 4
CALCUTTA	466,460	March	11			_	_		_	••	_	
BOMBAY	821,764	May	2	165	1065	67.4	3	62	?	?	-?	410†
MADRAS	452,518 -	April	14	348	310	35*6	3	- 11	. ?	?	?	66
PARIS	2,511,629	May	20	1018	972	20.1	- '	31 6	5	10*	5	8
BRUSSELS	551,011	,,	20	260	182	17:2		в	2	-	2	1
AMSTERDAM -	512,758 311,301	37 <u> </u>	13	318 240	160	16.2 18.8	-			1 2	2 2	_
THE HAGUE -	196,325	79	13	100	63	16.4	-	-	-	-	-	-
COPENHAGEN -	345,000	79	20	232	134	20.3	-	-	1	2	4	.2
STOCKHOLM	-283,550	799 🔐	13 20	135 140	123	22.6	-	8	2	5*	<b>*</b> 2	1
CHRISTIANIA -	203,337	.91 ~	13	737	68 616	16·0 28·4	3	-	2	-		-
ST. PETERSBURG MOSCOW	1,132,677 988,610	19	13	- 151	556	28.4	6	14 7	6 4	20	4	22 1
BERLIN '	1,805,054	. 27	6	940	625	18.0	1.	11	22	11	7	_ 1
HAMBURG	675,351	, 29	20	ļ <del></del>	218	16.8	-	-	-	2*	.5	1
DRESDEN BRESLAU	389,300 406,012	April May	22		125 195	16·7 25·0	- '	~	3	1*	1	7
MUNICH	445,000	27	13	306	225	26.1	-	-	-	2*	3	_
VIENNA I - I -	1,606,629		20		1, 4	-		~	-	_	-	-
PRAGUE	380,497	29	20	218	201	27.2	-	7	3	-	1	5
BUDA-PESTH - TRIESTE	666,722 165,913	99 1	13	470	305 66	23.8	-	7	5 7	3* 1*	1	2
ROME	500,610		6	233	173	18:0				1"		1
TURIN (10 days)	344,203	April	20		~	- 100	-	-	_	_	-	
VENICE	169,883	May	13			-		-	-	-	-	-
CAIRO	570,062	April	. 8	1 - 1		-11	-		-		-	
ALEXANDRIA -	319,766	~ ter	. ~ 8	no-				-	-		-	-
NEW YORK (including	3,550,053	May	6	1426	1324	19.5	-	14	17	28	5	6
BROOKLYN) PHILADELPHIA -	1,266,832	- ij .	13		427	17.6	-	-	2	15	3	22

<sup>\*</sup> Including deaths from croup.
† Including 323 deaths from plague.
† Including 3 deaths from cholers.

				_																		
	Ozone.		1.0	3.0	0.61	C.I	0.0	0.0		=	26		sea:	ns of bulb	rears the	orum The	tions ment	and eter,	rate;	nent,	24th;	
Gauge	20.00	Sinches above the Ground.	in. 0.03	90.0	0.05	fg.0	10.0	0.00	00.0	Sum 0.66	25		el of the	The mea	r correctives:	d mininum 8).	trical Ta	higher,	llectron.	Instrum of the	on the	
n, m		Depar- ure from Average of 16 Years	Miles. + 21	-115	+ 67	en +		+	+101	Sum +237	24		iean leve	and ti	sation o ing the l ending	ulb the	ygrome on of the	dicates"	tering E	unshine ginning	h. P.M.	
To himson's	THOUSE THE PARTY OF THE PARTY O	Horizontal to of the Air on each Day.	Miles. 269	133	315	250	386	368	348	Sum 1969	551		nidnight ve the m	o sea lev 1., and 91 mometer	ne appli ade dur 7 vears	e dry b maxin	isher's Ediscussion	rthelb lat + in dexerro	Ihomson's self-registering Electrometer N. negative; w. weak; m. moderate	Stokes S day. t the be	in. by	
-		Mean of 24 hourly obs.	1bs.	0.0	0.3	1.0	0.0	1.0	0.3	:	5.6		ht to r	duce t 3h. P.1 ther	s by u	of th of th peratr	by Glaron a rom a	ras ro aind tl	on's s	pbell- each 71 in. a	29.42	
	Pressure on the Square Foot.	Least. h	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	- 16		nidnig s 159 fe	s to re noon; bulk	value	sading lings of tem	e or ne neters rived f ig 1890	le in n tedfor	l'home N. ne	e Cam ine on om 29"	ased to	
	Pressu	Great-	1bs.	0.4	2.2	2.7	4.7	67	4.5	:	0%		from neter is	ading A.M.; ne dry	graph	ean re e read value	degre ermon hatde sendir	ometre e born correc	from tive;	om th sunsb sed fr	decreathe w	
Osler's.	ection.	P.M.	NE.&	ESE. E. & ESE.	SW.	SW., NE.	N. & NNE.	N. & NNE.	N. & NNE.	NE.	1 91	70	ivil day, or	ied to there taken at 9h. arometer, tl	linto mean of the photo	corrected mean of the	erature and wet bulb th of the air ist the 50 year	or the anem 24 it will b e.	ed. 7 is derived 9:P. posit	8, derived from of bright	the 22nd;	
	General Direction.	Ф.Ж.	WSW. &	ESE. & E.	WSW.	SW. &		ż	NNE.	SW. &			The results apply to the civil day, or from midnight to midnight. The height of the eistern of the barometer is 159 feet above the mean level of the sea ;	no correction has been applied to the readings to reduce to each edvel.  Observations are usually taken at the .A., inon; 3h. P.M., and 9h. P.M. The means of the evergadings of the barometer, the dry bulb thermometer, and the wet bulb	thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years deduced from a discussion of the photographic records made during the twenty years	thermometers. With the corrected mean reading of the dry bulb thermometer is concined the corrected mean reading of the maximum and minimum combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The	mean daily dew point temperature and uegree or numbers are descenting as a concentrical Tables.  Allowerage temperature of the air is that derived from a discussion of the observations made at Green wich during the 50 years ending 1880, and that of horizontal movement	of the air from a discussion of the anemometric records for the 1D years enturing to the 1D reading columns 9 and 24 it will be borne in mind that + indicates" higher, "and - "lower," than the average.  The valuesgiven in column II are not corrected for the index error of the thermometer,	which cannot be determined. The record of Electricity is derived from Thomson's self-registering Electrometer The symbols employed are:—P. positive; N. negative; w. weak; m. moderate	s. strong; and v. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The reading of the barometer increased from 2971 in, at the beginning of the week	1h. P.M. on o 30'25 in. by	
	Of the Earth	3 feet below the Surface.	0 0 0	52.04	52.28	52.18	52.40	52.29	18.19	52.13	17	) T	sults ap	ction ha	from a	neters. d the neters, i	ally dew lues of t erage to Green v	r from a ding co. r," than	annot b cord o: nbols e	and vambers	in. by reased t	
		Lowest Si Grass.	0.87	43.6	36.5	47.6	34.0	32.0	29.1	9.88	- 0	101	The re	Observene	hermon	thermometers. combined the thermometers,	mean da daily va Theav made at	of the ai In read - "lowe The ve	which c The re The syn	s. strong The preserved show the	to 29.86 and inc	
90	Radiation.	Highest In Sun's Rays.	0 112.9	85.4	131.7	128.5	0.66	115.7	121.1	113.4	1 7	CI		after-			10.10		rally s. A			
gree	of Hu- midity (Satu-		87	66	80	7.4	73	69	29	1 84	1;	14	ri		slight	fine afterwards. h, P.M.	mori till 6h. ards.	cloud nt sho	generward	ds.		
		Least.	0.5	0.0	0.0	0.0	0.0	3.1	1.7		i	13	ARKS	overe ght 1	nent 8	ine a ı. P.M.	ers in cloud fterwa	sligh sligh	ning; e afte	rtially erwar		
the Air Temperature	arature.	Great-	0.8		12.4	15.8	15.0	14.3	17.5	12.4	+	12	GENERAL REMARKS.	afternoon; overcast frequent slight rain	n. P.M. Generally overcast; frequent slight rain	and 21	showns of rain a	wards.	ly moo	ng; pa ne aft M. Oc		
e Air Te	Temp	Mean Gr daily e	0 60	0.5	6.1	- <del>↑.</del> %	9.8	8.6	10.3	1.9	-		ERAI	after freque	vercast	at lh	light amou heavy	after ag. A	in ear evenin	morni ery fi 30m. F		
	Dew point.	Mean daily value,	0 48.8	50.5	48.0	47.0	36.5	34.0	32.0	8.58	1	10	GEN	y till with	ally o	y in nowers	y with h large t with	ast til	fine if till	fine in on; v atilh,		١
101	H 04	De- parture from Average of 50 years,	0.6	- 4.6	1.5	7.0 -	-10.6	-12:1	-10.7	- 5.6	-	6		Cloudy till wards with	4h. P.M. Generalli	Cloudy in morning; fine s Slight showers at lh. and 2h. P.M.	Cloudy with light showers in morning fine with large amounts of cloud till 6h. P.M. overcast with heavy rain afterwards.	Overcast till noon; partially cloudy till evening; fine alterwards. Slight showers in early morning. A cold day.	Very fine in early morning; generally overcast till evening; fine alterwards. A	very countagy.  Very fine in morning; partially cloudy till afternoon; very fine afterwards. Slight shower, at, 1h, 30m. P.M. Cold.		
		Mean Palaily A	0.00	50.4	54.1	5.29	45.1	43.8	45.3	49.5	-	œ	above rizon, nours.	15.8	15.9	15.9	15.9	0.91	16.0	16:1	Sum 111.6	29
	Of the Air.	Daily Range.	0.01	7.1	20.5	14.5	12.1	14.3	19.3	13.9		7	Registered Sun above Sunshine Horizon, in hours.									- 8
	Ö	Low-	0 0	47.6	44.0	49.2	39.8	8.98	36.5	43.5		9	Register Sunshi in hou	11.0	0.0	7-9	4.5	20.0	4.7	6.6	Sum 29.3	28
		High-	0 0	54.7	64.2	63.7	6.19	51.1	55.5	57-1	1	2	of e,)	out -	out -	A M.; N. till after-	A.M.; after-	w. N. w. P. after-	ly -	- vI		
METER.	Mean daily reading	(corrected and reduced to 32° Fahren-	in.	29.845	892-65	625-67	20.776	29-969	30.158	798-97		4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. till 10h. A.M.; v. P. and v. N. till 3h. P.M.; w. P. after-	wards. w. P. till 7h. A.M.; w. P. and w. N. after-	and .M.;	w. P. generally	w. P. generally		27
		of the Moon.		:	: :	: :	Full	Freatest	Dec. S.			60	ELE (For ex	w.P.	w.P.	w. P. v. P. 3h. P.M.	wards. w. P. ar wards.	w. P. till 4h. A generally	wards. w. P.	w.P.		
		Α		2 8	23 66			26	27	-		- uu		- 23	হা	£1	77	- 23	- 26	- 27		1
0 - 0 -	1899.	MONTH AND DAY	MAY.	SUNDAY -	THESTAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MTDANG	MEANS	No. of Column	DATE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY .	SATURDAY		No. of Col.
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
BY DARLING & SON, Ltd., 1-3, Great St. Thomas Apostle, E.Q.

1899.

## OPPICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, JUNE 3.

[Price 11d.

General Register Office, Somerset House, June 5th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 17.7 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

	1	Veeks	endin	g	١			Weeks	endin	g
Towns.	May 13.	May 20.	May 27.	June 3.		Towns.	May 13.	May 20.	May 27.	June 3.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	17·7 15·5 17·4 19·3 21·0 15·7 15·4 18·0 15·4 13·5 14·2 12·2	21·3 21·3 19·3 18·6 18·8 16·1 13·8 16·0 9·8 15·7 14·2 14·9 13·6 15·6	15·4 12·2 16·1 13·5 13·3 15·2 11·2 10·8 11·2 11·1	15·4 16·7 19·7 17·0 16·6 8·5 14·8 21·2 11·5 13·9 15·7 17·1 17·6 15·6 17·4		Leicester Liverpool London - Manchester Newcastle-or Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverhamp	25.6   16.2   24.3   16.3   12.3   18.4   20.3   16.4   21.3   20.4   21.3   21.3   11.4	0 15·4 16·3 16·3 9 24·5 9 13·9 16·1 16·1 17·2 16·3 16·1 17·2 16·1 17·3	20·8 15·7 21·4 16·9 13·8 17·4 20·1 8 17·5 8 17·4 8 17·5 10·4 10·4	24·3 17·0 26·5 17·8 13·4 15·5 22·1 19·2 17·8 22·6 20·5 18·8 17·5 18·6

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1.0 in Liverpool and Salford, 1.1 in Nottingham, 1.4 in Burnley, 1.6 in Bolton, and 2.5 in Manchester; from scarlet fever, 1.0 in Bolton and 1.4 in Burnley; from whooping-cough, 1.0 in Oldham and 1.4 in Burnley; from "fever" 1.0 in Huddersfield; and from diarrhæa, 1.3 in Preston and 1.8 in Wolverhampton. The 69 deaths from diphtheria included 24 in London, 9 in Sheffield, 8 in Leicester, 4 in Liverpool, 3 in West Ham, 3 in Swansea, 3 in Manchester, and 3 in Leeds. No death from small-pox was registered in any of the thirty-three towns.

## LONDON.

In LONDON'T 2678 BIRTHS and 1483 DEATHS were registered. Allowing for increase of population, the births were 119 above, and the deaths 36

• By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middless County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

below, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 16.4, 16.3, and 15.7 in the preceding three weeks, rose again last week to 17.0. During the four weeks ending on Saturday last the death-rate averaged 16.4 per 1000, being 1.7 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1483 deaths included 67 from measles, 4 from scarlet fever, 24 from diphtheria, 33 from whooping-cough, 6 from enteric fever, 13 from diarrhoa and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 147 deaths were referred to these diseases, being 55 below the corrected average

weekly number.

The deaths from measles, which had been 49, 51, and 61 in the preceding three weeks, further rose to 67, but were 6 below the corrected average; 17 cases belonged to Lambeth, 7 to Shoreditch, 6 to Islington, 6 to Greenwich, 5 to Hackney, and 5 to Limehouse sanitary areas. The deaths from scarlet fever, which had been 2, 9, and 5 in the preceding three weeks, fell again last week to 4, and were 11 below the corrected average. The deaths from diphtheria, which had been 40, 24, and 23 in the preceding three weeks, rose again last week to 24, but were 11 below the corrected average. The deaths from whooping-cough, which had been 39, 39, and 34 in the preceding three weeks, were 33 last week, and were 19 below the corrected average. The fatal cases of enteric fever, which had been 8, 6, and 4 in the preceding three weeks, rose again last week to 6, the corrected average being 7. The deaths from diarrhæa, which had been 9, 12, and 10 in the preceding three weeks, rose again last week to 13, and were 4 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 257, 257, and 256 in the preceding three weeks, fell last week to 240, and were 33 below the corrected average. The deaths attributed directly to influenza numbered 24, having been 29, 26, and 27 in the preceding three weeks.

Different forms of violence caused 66 deaths, concerning all but 2 of which inquests were held. Of these 66 deaths, 9 were cases of suicide, and 2 of homicide, while the remaining 55 were attributed to accident or negligence. Eight of these were referred to vehicles in the streets, 8 to drowning, and 13 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2212 cases of scarlet fever, 1134 of diphtheria, and 99 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 260 cases, against 259, 211, and 229; of diphtheria, 145 cases, against 149, 145, and 143; and of enteric fever, 21 cases, against 11, 16, and 19.

GREATER LONDON.

In Greater London 3774 births and 1919 deaths were registered, corresponding to annual rates of 30·1 and 15·3 per 1000 of the estimated population. In the Outer Ring 19 deaths from measles, 12 from diphtheria, 11 from whooping-cough, 2 from "fever," and 7 from diarrhæa were registered. Eight deaths from measles and 5 from diphtheria occurred in West Ham district.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30°12 inches, and that of the Thermometer 58°.4; the latter being 1°.5 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 27 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 95.9 hours; no rain was measured during the week.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

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Column   C		CITIES	BOROUGHS	Cols.	33 TOWNS.	LONDON.	WEST HAM.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON.	BIRMINGHAM.	L'ETCESTED	NOTITING TAM	DERRY		BIRKENHEAD.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BURNEEK.	PRESTON.	HUDDERSKIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	UULL.	SUNDEBLAND.	GATESHEAD.	NEW CASILIE.
Column   C	ALL.		-itasO nl .asstsem	24.	0.03	0.00	1 9		0.00	1	0.02	ŧ	i j	0.00	1 0	01.0	0.0	1		0.00	3 1	1	1	t	F 1	1	0.00	1	0.00	1	1	00.0	1	!	_
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TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-SECOND Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.**	1899
TOTAL Births  Males Females -	2405	2091	2553	2563	2643	2374	2569	2326	2596	2199	2558·7	2678
	1214	1054	1325	1291	1346	1245	1336	1207	1341	1140	1315·1	1346
	1191	1037	1228	1272	1297	1129	1233	1119	1255	1059	1243·6	1332
TOTAL <b>Deaths</b> -  Males  Females	1151	1411	2189	1419	1455	1366	1308	1430	1320	1392	1519 <sup>.</sup> 4	1483
	607	770	- 1097	735	785	706	669	671	722	756	791 <sup>.</sup> 0	781
	544	641	1092	684	670	660	639	759	598	636	728 <sup>.</sup> 4	702

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twenty-second week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

,	- 1							- 0220 2		HIRT		7 33232	-				
					Mar. 11.	Mar. 18.	Mar. 25.	Apr.	Apr.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.	May 27.	June
TOTAL	Births		-	-	2627	2613	2480	2609	2554	2875	2759	2693	<b>26</b> 23	2574	2598	2306	2678
TOTAL	Deaths	-	-	-	1954	2099	<b>2</b> 025	1922	<b>1</b> 816	1624	1499	1478	1397	1428	1419	1366	1483
Ages at Death	₹ 20—40   40—60	ears	- - - - - - -	- - - - ards	368 266 105 229 375 487 124	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70
Diphtr Whoor Typhu Enteri Simple	pox - es t Fever leria - oing-coug s c Fever c Continu	ed Fe	ver		38 9 36 55 - 9 - 13	35 7 45 73 -7 -8	33 4 37 90 4 - 11	37 4 31 57 - 9 1 7	29 8 34 58 - 6 - 11	34 6 20 54 - 14 - 4 1	51 7 29 47 - 3 - 7	45 6 26 54 - 4 - 10	36 10 21 47 7 - 12	49 2 40 39 - 8 - 9	51 9 24 39 6 12	- 61 5 23 34 - 4 - 10	67 4 24 33 - 6 - 13
All the	above D	isease	8	-	160	175	179	146	146	133	144	145	133	147	141	137	147
Phthis: Dis. of Violence Inquest (	Circulato	ry Sy	ster	n -	529 202 174 80 190 568	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 16E 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529
Mean Mean o	ATURE O  I Highest f Lowest	read	ings	_	40 <sup>.</sup> 2 49 <sup>.</sup> 4 31 <sup>.</sup> 1	42.5 52.4 33.8	32*2 40*9 24*8	50.1 59.0 43.2	48.9 56.1 44.0	43.9 52.2 37.2	43·4 52·3 34·7	50°1 57°3 44°1	46.4 55.3 37.2	50°9 62°2 41°7	54·4 62·7 48·3	49°5 57°1 43°2	58°4 70°8 43°6
Humidit	y of the A	Lir	-	-	73	87	68	77	77	80	75	76	67	75	75	78	60
Rain-fall	(in inche	s)	~	-	0.07	0.00	0.11	0.37	0.49	1.27	0.43	0.79	0.00	0.01	0.97	0.66	0.00
Registere	ed Sunshi				43.7	19.7	31.3	19.5	25.3	21.9	26.5	17.8	49.7	43.0	33.9	29.3	95.9
Carall ma	CASE	s of ]	[NF]	ECTI		ICKN	ESS IN	Hose	PITALS	* AT T	4 1	ID OF	EACH	WEE	K.		
Small-po Scarlet F Diphther Enteric F	ever -	-	-	-	$\begin{bmatrix} 2 \\ 2540 \\ 1313 \\ 193 \end{bmatrix}$	2437 1261 183	2355 1200 173	2322 1165 148	2235 1126 139	2126 1068 129	2144 1034 125	2131 997 124	2139 1040 118	2210 1065 107	2161 1066 99	$\begin{array}{c c} 2201 \\ 1111 \\ 102 \end{array}$	2212 1134 99

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their nateorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. 'roston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Shason, Esq., W.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of Ages from different CAUSES in the TABLE 4.

			T	WE	NTI	7-S	ECC	ND	W	ek of the Year 1899.								
	the		In Satur	the l	Weel 3rd	k end June	ding	99'-			the		Ir	the irday	Wee	k en l Jun	ling e 189	99.
	for 10			ths		ersoi			-		for 10		De	aths	of F	erson	ıs of	
CAUSES OF DEATH	of the			nder			90°	80°	- q	CAUSES OF DEATH	Averages of the 1889-98*,		τ	Inde	r	40.	.09	.80°.
	설	AGES.		20.		20 and under 40.	40 and under 60	No.	pears and upwards.	,	i plati	AGES,		#9,		20 and under	40 and under	60 and under
	Corrected 22nd We	ALL A	0-1	1-5,	5-20.	20 and	40 and	60 and	80 ye		Corrected 22nd Wee	ALL.	0-1.	1-5.	5-20.	20 and	40 an	60 an
CAUSES	1519.4	1483	281	168	92	211	351	<b>3</b> 10	70	Diseases of Circulatory System }	131.6	169	1	1	12	24	55	66 1
nall- {Vaccinated† - Unvaccinated	0·2 1·3	-	-	-	-	-	-	-	_	Croup Bronchitis	3·4 129·6	2 109	22	2 9		5		- 45 18
asles rlet Fever	0°3 72°6 15°4 0°3	67 4	18	40 -	8 3 -	1				Pneumonia	113.7 6.3 20.3	103 3 23	18 - 5	-	3	11   2	5	7
phus   apsing Fever -   luenza   hooping-cough	40.5 51.6	24 -33	- 16	ī 17	1	3	13	5	1	Dentition	9.7	4	3	1	-	-	-	-
ohtheria - nple Continued and } II-defined Fever -	35·4 0·3	24	3	14	7	-	-		-	Quinsy, Sore Throat : - Enteritis Peritonitis	1:4 13:4 6:9	$\begin{bmatrix} 1 \\ 14 \\ 6 \\ 26 \end{bmatrix}$	7	1 1	2 3	1 3	3 1 15	1 8
teric Fever olera and Chol. Diarr. arrhœa, Dysentery - mittent Fever	7:4 0:5 16:6	6 - 13	10	-1		4	1	1 1 -	1111	Diseases of Liver Other Diseases of Digestive System	23.7	41	11		1	8	8	8
mittent Fever	- 0·2	-			-	-	-		1 1 1	Diseases of Lymphatic System & of Ductless	2.2	6	-	-	2	2	1	1
ysipelas	9*9 3*8 2*0	8 2 1 7 3	5 - 1		-	1 -	1 -	1 1 -		Glands ) Diseases of Urinary)	46.4	57			1	13	25	15
erperal Fever her Zymotic Diseases	3*6 0*8	3	-	-	ī	6 -	1 2	-		System )								
rush	0.3	1	1	- 1	-	-		-	-	Diseases of Generative System Accidents of Childbirth-	6.4	5	-	-		5	-	
orms and other Para-	0.3	-		-	_	-	-	-	-	Diseases of Locomotive } System }	5*6	9	-	_	3	3	3	-
arvation, Want of } Breast-milk 5 coholism	1.2	1 21	1	-	-	- 4	17	-	-	Diseases of Integumen- tary System-	4.2	2	1	-	-	-	-	1
neumatic Fever, Rheumatism of Heart	6.8	6	1	-	2	-	2	1	-	VIOLENT DEATHS.;								
neumatism	2·1 2·8 5·1	1 3 3		- 9	-	-	2 -	1		(ACCIDENT.) By Railways		1	-	-	1	10	-	-
ckets	69.7 18.3 25.7	67 16 23	6 9	-4	1 4	3 1 1	27	35	1 -	By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown-)		8 2	-	1	3 -	2	2	-
thisis rofula, Tuberculosis -	153.2	165 29	1 4	2	12	73 4	60	1	1 -	ing) ) In Building Operations - In Conflagrations -		-	-	-	-	-	-	-
her Constitutional Diseases }	12.9	11	1		-		2	7		By Burns, Scalds, Ex- plosions By Drowning	58.4 <	6 8	-	5	1 3	1	- 4	-
emature Birth electasis ngenital Malforma-	44.7 2.4	49 1	1	-	-	-	-	-	1	By Suffocation in Bed - By Poisons or Poisonous \ Vapours			18		-	- 1 -	1	1
tions	6·0 46·8	10 50	8	ł	-	1 -		23	1	Other or not stated causes		15	4	-	-	3	4	3
poplexy pilepsy	36·8 7·3	40	1		1	2	1	16	2	(VIOLENCE OTHER THAN ACCIDENTAL).								
bryulsions ther Diseases of Brain and Nervous System	32·4 80·5	25 72	22		3 4	7		18		Homicide Suicide Execution	2:3 10:1	9 -				5	2 -	- 2 -
iseases of Organs of Special Sense -	2.3	5	-	-	1	2	-	2	-	OTHER CAUSES	40.3	36	27	4	-	2	1	2
		-		-		-		-		1000 00	11 -	010				n in	0.11.0	000

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5213 per cent. for increase population.

†Only those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered edical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the mass of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of cedent, murder, manslaughter or suicide. All such causes are classed under "accident."

LE 5. LONDON,\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in each Support From June 1899. LABLE 5.

SUB-DISTRICT during the We	ek ending	Satu	raay,	ora	Jun	0, 1												
					47		The I	) EAT					the W	eekin	iclud	е	l a	144
	Enume-				ths of			1		Death	s fro		l res	1			Itution	0
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Srisll-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever,	Simple Continued Fever.	Diarrhoss.	Violence,	Inquest Cases.	Desthain Public instituti	Uncertified Causes
rondon -	4,411,710	2678	1483	281	380	_	67	4	24	33		6		13	66	152	529	
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	391 562 148 542 1035	243 320 82 276 517 45	43 50 15 53 120	63 86 17 61 131 22	1, 1111	2 14 1 21 21 29	1 2 - 1	3 7 2 12	1 8 - 7 17		1 1 1 1	1 11111	1 2 4 4 2	12 8 5 16 25	23 27 9 52 41	91 112 40 103 138 45	
WEST DISTRICTS.  St. Mary Paddington $G$ & W.  St. John Paddington $H$ $G$ .	90,996 33,510	55 <b>3</b>	23 5	8 -	7	_	-		-	1 -		-	-	-	1 -	1 -	4 3	
Kensington Town Ww - W. Brompton HH W & C.	122,164 48,301	51 11	40 13	6	10 3	_	-		-	-	_		_	-	2 -	2 -	16 5	
North Hammersmith $H$ W. & G South Hammersmith $H$ W. & C.	44,638 59,561 113,781	37 24 93	12 14 41	2 1 11	3 7 10	-	1		- 2	-		111.	1 1 1	- 1	3	3 2	- 3 16	
Chelsea Kensal Town - C. Chelsea North WHHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	10 23 19	18 18 13	12	7 3	-	-	-	- 1	-	-	-				- 1 2	12 4	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	6 19 16 11	14 20 7 13	3 4 2	5 3 1 2		-				1 1 1 1	- - 1		1111	- 1 2 1	3 3 3	11 8 - 7	
$ \left. \begin{array}{c} \textbf{St. James Westminster} \\ \textbf{WHH} \\ \textbf{St. Anne Soho}  \textbf{HHHHHHH} - \textbf{N}, \end{array} \right. $	23,050 12,048	8 5	3 5	- 2	1 -	-	-	1	-	-		-	-		1	- 1	1	
NORTH DISTRICTS.  All Souls Marylebone  - W.  Rectory Marylebone W G. & W.  St. Mary Marylebone G. & W.  Christchurch Marylebone H - W.  St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	8 11 31 16 11	10 5 3 14 5	- 2 3 1	4 4 1 3 1	41111			1 1 1 7		1			1 1 1 1	- - 1	- - 3 -	6	
Hampstead WWHHHHH	75,449	25	30	-	11	~ -	2	1	2	2	-	1	-		-	-	12	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	19 7 16 17 13 57	3 21 15 11 12 30	1 1 4 2 1 4	1 3 1 2 6 12		1	-	-	1 - 1				1 1 1 1 1	- 1111	1 3 1 2 2	- 13 3 3 9 10	
$ \begin{array}{c cccc} \textbf{Upper Holloway} & - & - & \textbf{N.} \\ \hline \textbf{WWWw} \textbf{WHH} & - & \textbf{N.} \\ \textbf{Islington South-east} & \textbf{H} & - & \textbf{N.} \\ \textbf{Highbury} & \textbf{HH} & - & - & \textbf{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	61 51 40 34	53 19 13 11	8 5 3 2	20 2 3 1		1 - 1 4	1 -	- - 1	1				2 -	1 1 -	1 5 3	35 1 - 1	
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$   \left\{     \begin{array}{c}       17 \\       26 \\       26 \\       39 \\       37     \end{array}   \right. $	15 16 14 16	4423	1 3 - 1 6	11111	1 2 2		4	1		1 -	1111		1 1	1 3 1 1	- 6 5 8	

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated thereinamely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers ar received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signific 3rand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New 3iver; E. East London; and K. the Kent Company.

\*See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, Relet Fever, Diarrhera, Violence &c., registered in each 3-District during the Week ending Saturday, 3rd June, 1899—continued.

							Th	e DEA	THS	regist	ered	durin	gthe	Weel	rinol	ude		
	Enume-			Deat	hs of					Death							ions	of
ISTRATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Total DRATHS	Infants under I Year of Age.	Parsons aged 60 Years and upwards,	Smad-pox.	Measles.	Scarlet Fever	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhœa.	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes
CENTRAL DISTRICTS.  rge Bloomsbury N. 98 South $WH$ N. 98 North $H$ N.	16,110 12,976 3,151	5 16 4	1 8 1	1	13-	-	-	-			-			111	-	ī	6 -	111
ti.i-in-the-Fields HHN. & C. WHH N. Union Workhouse, Edmonton	13,077 11,839 +1,037	5 6 -	8 10 -	1 1 -	1 3 -	-	-	-	2 -	-	1.1.1		111		2 1 -	22 -	7 7 -	
rn wHHHHHHH - N.  les Clerkenwell - N.  ll Clerkenwell - N.  ll-street - N.  ll-street - N.  lross-street - N.  lross-street - N.  lry - N.  m Union Workhouse,  ham	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	17 7 18 13 38 7	9 1 3 6 12 4 -	3 1 1 2 1	1 - 1 1 2 -		- - 1	111111				11111111			1	1 -	3 - 1 - 1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	3 -4 4 1 -	16 1	- - 4 - - -	1 1			11111	-	11111	111113	1			- 1 - -	1	15	1.1.1.1
EAST DISTRICTS.  litch South $Hl$ - E. & N. 1 New Town $w$ - N, 1 Old Town - N. 1 rston $WH$ - N. & E.	17,975 29,575 27,645 47,163	14 16 16 28	5 16 10 16	1223	1 7 3 6	111	3 2 2 -	1111	111	1111	,		- 1 - 1	- 1	- 2	3 3 4	- 6 - 6	
al Green North $H$ - E. al Green East $WHl$ - E.	49,301 34,194 45,667	38 33 28	12 7 25	1 1 4	2 1 3	- - -	1 1 -		111	- 1			-	- 1 2	1 2	1 2	2 14	-
$\frac{1}{1}$ lelds $\frac{1}{1}$ - $\frac{1}{1}$ E. & N. an's Fields* - $\frac{1}{1}$ E.	26,681 51,995 {	24 34 14	35 8	2 5 1	1 2		- 1	1 1 1		1	-	<u></u>		<del>-</del> -	2 -	1 8 1	3 <u>1</u>	1 1 7
orge's North E. an, St. George East W E.	39,576 7,930	37 5	12 11	4 	1 5	-	3 -		1 1	1 1	-	-	-		1	5 2	8	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	8 8 24	10 5 10	5 1 7	ī.		2 - 3	1 1 1	1 1 1	1 1 1		-		 	1 2	1 2		
and Old Town West H E. and Old Town East - E.	} 111,060	{ 53 41	7 18	3 2	9	_	-	-		ī	1 1	-	-		1	3	- 8	1 -
ley wwwH E. r WW E.	41,687 69,821 57,759	24 60 37	13 34 18	333	4 10 5		1 2			1 1 2	1 1 2			-	1:	3 5 6	20 4	1.4.1

† Population in 1891, not included in the total population of the Central Districts or of London, litechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEA SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 3rd June, 1899—continued.

SUB-DISTRICT during the We	ek enumg	Dava	.cay,	014					HS reg		d du	ring t	he We	ek in	clude	
	Enume-			Deat	hsof				De	eaths	from					
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	InquestCases.
SOUTH DISTRICTS.	19.004	E.	4	1	2											
Christchurch Southwark   W HL & S. St. Saviour Southwark   - S. K. E. Southwark   - S. & L. Borough-road   WH   - S. & L. London-road   HL   - L. & S. Trinity Newington   - S. & L. St. Peter Walworth   W - S. & L. St. Mary Newington   - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	5 8 15 13 19 11 38 12	4 14 16 4 8 16 3	683241	131 12151		1 1 1 1			2 1 2 -	111111			1	1 2 - 1 - 1	1
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	6 60 31	16 20 21	1 4 4	1 8 5	-	-	-	-	-	-	111	-		5	6 3 2
Waterloo-road HH - L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW L. & S. Kennington 1st H - S. & L. Kennington 2nd - S. & L. Brixton W L. & S. Norwood WH L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	21 14 26 31 31 49 10	11 24 39 19 10 24 1	537845-	3 4 15 2 1 7	111111	- 4 10 1 2 -	111111	1 - 1	1 4 -	1111111	111111	11111	111111	1 1 -	- 4 2 1 - 1 -
East Battersea -	58,101 20,566	55 46 20 41 8 46	15 22 11 21 21 1 13	6 1 6 - 3	3 6 4 4 - 5		1 -		1 -	1 -		1 1 1 1	11,11,11	11111	1	3 - 1 2
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 51 55 43	31 26 17	- 4 10 5	16 5 1		31	,	2 -	- 1 1			-	1111	1 3 1	1 4 2
Deptford North K Deptford Central w K Deptford South K Greenwich West H K Greenwich East WH K	33,402 23,012	31 28 11 9 29	6 8 3 6 21	3 - 1	1 - 1 4	-	1 - 5	11111	1	1		1		-	- - 1	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	24,222 38,139	1 13 28 36	1 16 16 10	1	- 2 7 4	E111		1	2 -	- 1 -	11 1/21			-	1111	1
Charlton wHH K Woolwich Dockyard K Woolwich Arsenal HHHH - K Plumstead West H K Plumstead East WH K	19,355 21,959 16,714	$\begin{array}{c c} 8\\24\\7\end{array}$		1 -	1 2 1		11111		3 -	1	11111			- - - 1	1	11-
Banstead Asylum Caterham Asylum Hospital Ships and Camp, Dartford Darenth Asylum London County Asylum Colney Hatch Asylum				3 -	- 4			-						2		

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES (OSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week nding Saturday, 3rd June, 1899.

							The	DEA	THS	egist	ered i	n the	Week	inclu	ıde		
		Enume-			Deat	hsof				Death	s <b>f</b> ron	n					
REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhœs.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
NDON-OUTER RING -	368,749	1,422,063	1096	436	95	115	_	19		12	_11_	_2	7	15	25	46	1
Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	9 <b>5</b>	6 5	2 -	1 1	-	-	1 1	-	-	-		1	1 -	ī	-
Godstone, part of* W -	2,754	1,598	3	1	-	ľ	-	-	-	-	-	-	-	-	-	-	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	78 10	40 7	4 2	15 3	-	-	-	1 -	1		1 -	-	3 -	9	-
	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	22 23 6 2 8	8 7 2 2 3	1 -	31 - 2	1111	1111		- - 1	1		1111	1		- 4 1 1 -	11111
Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	12 15	5 3	1 2	2	, -	-	-	-	- 1	-	ī	-	-	2	
Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	11 12 5	4 1 6	- - 1	2 - 2	-	- 3	-		-	-		1	1	-	
Bexley HHH Dartford WH, part of * -	12,540	30,590	23 -	13	3 -	3	-	-	-	-		-	1 -	1	2 -	- 1	) <del>-</del>
Sunbury w Staines WH	11,054 13,277	13,671 13,221	9 10	2 2	1 -	- 1	-	-	-	-	-		-	-	-	ī	-
Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	13 4 12	2 1 3	-°	$\frac{1}{1}$	-	^ -   -	1 1 1	1 1	-			-	-	1 -	
Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	14 10 17 11 21	9 4 14 6 16	4 6 1 5	2 2 4 2 5	1111	- 1 -	11111	21111		11111	1	1 3 -	1 - 4 - 1	1	1111
Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	15 3 73 15	3 1 25 5	10 1	2 - 4 2		- 1 1	-	- 1	- 1		1111	1111	1111	- 1	- 1
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	6,367 14,152 25,820	3 10 25	2 -4 10	3 -	2 - 5		-			ĩ -	-		-	-	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	34 79 28 26 4 8	30 15 10 1 5	2623-2	4 7 3 1	111111	31	11111	- - - -	2		- 2 1 -	3	3	1 1 1	
Hatfield, part of* W	3,306	582	-	-	-	-	-	-	-	- 1		-	-	-	-	-	-
Bushey H Watford WH, part of* -	9,331	7,737	4 -	-	-	-		-	-	-	-	-	~	-		-	
Stratford H Plaistow WHHH Canning Town H Forest Gate w East Ham WHH Leyton WWWWH Walthamstow HHL - Chigwell, part of * HHHHH Epping WH, part of *	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	33 67 51 40 57 53 58 6	9 17 19 11 15 21 29 3	3 6 3 4 5 5	2 2 4 2 6 8	11111111	- 1 - 6 - 1 -		- 1 1 1 1	3	1		1 2	1 3 2 - 1 1	4 2 2 - 5 - -	11111111
Romford, part of * WH - Inford	6,556 8,493 3,814	4,324 10,913 14,301	18 17 -	2 8 3 4	1 1 1	1 2 -	-	ī.	1111	1 -	1 1 1 1	1 -				1 - 4	

parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring collows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham ries in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst trict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,087); 135: 1, the parish of Northaw in d sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping (79); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhapses and Haspitals (1995).

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 3rd June, 1899.

											_	_			
			ANNITA	L RATE			The DE	ATH	s regi	stered	in th	e Wee	k inc	lude	
	Area	Population estimated	of MOR	TALITY living.	DEATHS	Deat	ths of				Death	s fron	a		
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15,
GREATER LONDON	443,421	6,528,434	15'3	1.6	1919	376	495		86	4	36	44	8	20	81
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	17.0 11.5	1.7 1.3	1483 436	281 95	380 115		67 19	4	24 12	33 11	6 2	13	63 15

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivalent the area of a circle having a radius of 14.851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

			and i	n certain	LONGIGE	OTTILLO							
						ANNUAL	DEA	ATHS	FROM	PRIN	ES.	ZYM	0
CITIES.	POPULATION (enumerated or	DATE OF RETU	1	BIRTHS.	DEATHS.	DEATH- RATE per 1000	-pox.	sles.	rlet er.	Diphtheria	Whooping- cough.	Fever.	-
	estimated).	Week en	ding	Exclusive o	of Stillborn	living.	Small-pox.	Measles.	Scarlet Fever.	Dipht	Whoo	Fe	
				142	120	20.9	:	3	2		6	1	
EDINBURGH	298,927	June	3	520	291	20.7		12	6	2	7	1	
GLASGOW	733,903	**	3	278	148	22.1		1	1	_ [	2		
DUBLIN	349,594	31		210					-			1551	
CALCUTTA	466,460	April	22	-	362	40.4	- 1	3 :	-	-		175†	
BOMBAY	821,764	May	9	153	1103	69*8	4	52	?	?	?	436†	
MADRAS	452,518	April	21	350	285	32.7	1	8	3	3	ſ	47†	
PARIS	2,511,629	May	27	986	941	19.4	-	32	3	6*	12	10	
BRUSSELS	551,011	, ,,	27	262	140	13.1	-	5	1	1*		1	
AMSTERDAM -	512,758	,,,	20	298	145	14.7	-	-	-	1	2	-	ı
ROTTERDAM -	311,301	. "	20	217	100	16.6	-	-	- 1	-	1		ı
THE HAGUE -		1 19	20	99	62	16.2	-	-	-	1	-	-	
COPENHAGEN -	345,000	**	27	194	124	18.7	-	_	2	1	-	1	
STOCKHOLM -		,,	20	166	137	25.0	-	6	1	9*	2	-	
CHRISTIANIA -	203,337	,,,	27	129	103	24.2	-	-	_	-	-	-	
			20	525	526	24*2	1	5	5	10	10	24	
ST. PETERSBURG MOSCOW	1,132,677 988,610	**	20	-	571	30.1	4	9	6	4	2	3	
		* **		896	624	17:9		13	7	16	10	1	
BERLIN	1,805,054	22	13	990	235	18.1	_	19		4*	5	1	
HAMBURG	675,351	, ",	27		450	10.1		-		*			l
DRESDEN	300,000	April	29		191	24.5		3	1	3		_	
BRESLAU	100,012	May	27 20	327	220	25.7		3	2	3*	2		1
MUNICH	110,000	1 21		0				10	_	_		_	
VIENNA	-,000,000	, ,,	27	1000	682	21.8	-	19	2	7*	6	3	
PRAGUE	000,201	"	37	202	211	28.5	-	6	8	1 3*	3	4	
BUDA-PESTH -	000,122	**	20	417	302	23.6	-	5		3** 1*	1	1	1
TRIESTE	165,913	: "	13	101	85	26.5	-		4				
ROME	500,610	**	13	205	166	17.3	-	-	-	3	3	2	1
TURIN (10 days)	344,203	April	20	-	-	-	-	-	-	-	-	-	
VENICE	169,883	May	13	-	-	-	-	-	-	-	~	_	-
CAIRO	570,062	April	15	-	-	-	-	-	-	-	-	-	
ALEXANDRIA -	319,766	,,	15	-	-	-	-	-	-	-	-	-	
NEW YORK (including BROOKLYN)	3,550,053	May	13	1444	1164	17.1	-	18	14	26	10	6	-
PHILADELPHIA	1,266,832	1 ,	20	-	-	-	-		-	-	-	-	
							1	1					1

Including deaths from croup.
† Including 56 deaths from plague in Calcutta, 342 in Bombay, and 1 in Madras.

Account   Acco								М	etec	rolo	grca	i C	bseri	atro	ns.							<b>183</b>
No.   Column   Colu		Ozone		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	ses:	bulb ding	years r the	The	ables.	"and reter,	neter.	ment,	2nd: n the	-
No.   All	ina	whose receiving	surfaceis Sinches above the Ground,	in. 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	el of the	The mes	t correct twenty 1868 for	d mini umn 8).	om the prince of the property	ding 187 higher, hermon	glectron	Instru	by 3h. P.M. on June 2nd: 29'98 in. by 6h. P.M. on the	
Phases			Depar- ture from Average of 16 Years.	Miles.	- 73	-118	-122	- 86	- 17	-101	Sum -468	24	iean lev	h.P.M.	cation of ing the ending	aum an eair(col	luced fr fygrome on of the	yearsen dicates' rofthet		unshine	h. P.M. cin. by 61	
Phases		Robins		Miles.	173	127	123	158	297	144	Sum 1247	23	midnight ove the m	to sea lev M.,and 91 mometer	nade dur	te maxin ure of the	ty are decaisher's Baisterskicher	the 16 that + includes error	self-regis	-Stokes S day.	in. by 31 to 29.98 sek.	
Phases   Advantage   Advanta	-	he .		lbs.	0.0	0.0	0.0	0.1	0.5	0.0		22	ght to eet ab	sduce 3h.P. b ther	ords r	of the	umidi by Gl from	ords for mind t	son's egativ	apbell n each	o 29.91 reased the we	ı
Phases   Advantage   Advanta		re Foot		lbs.	0.0	0.0	0.0	0.0	0.0	0.0		21	nidni s 159 f	s to renoon y bul	ic rec	lings of ten	aeters rived	icrecate in the stant of the st	Thom N. n	ine Car	ased the	
Phases   Advantage   Advanta		Pressi		1bs.	1:3	0.3	0.5	1.0	3.5	0.1	:	30	from r neteri	ading A.M.; he dr;	daily graph during	ean r e read value	degre ermon thatde	ometro	from tive;	rom the	decre	
Phases   Advantage   Advanta	Osler's.	irection.		N & GNN	NE. ESE.	ESE.	SSE. SSW.	SSE. &	WSWNW.	NNE. E.	able	19	civil day, or of the baron	lied to the re taken at 9h parometer, t	of the photo neter, and	corrected in mean of th mean daily	wet bulb the soft the soft the siries	of the anemark 124 it will bege.	ed. y is derived re:—P. posi	28, derived from of bright	n May 28th; h. A.M. on Ju	
Phases   Advantage   Advanta		General Di	A.W.	WNN			SW., S. &	NE. ESE.	Variable		Vari		pply to the f	as been applare usually age of the b	are converte a discussion r the baron	corrected forming the	w point temp thedry and temperature	a discussion olumns 9 and in the averagiven in colum	be determin of Electricit employed a	v. variable. s in column ? egate durati	10h. A.M. or 30.05 in. by 81 d increased	
Phases   Advantage   Advanta		Of the Earth	3 feet below the Surface.	0	51.16	51.27	51.70	52.40	53.28	54-29	52.20	17	esults a	ection l rvation e-readi	meter, d from 1873 fo	meters meters	aily de alues oi verage	ading c	cannot record ymbols	ig; and number he aggr	sed to	
Phases	-		1	0.00	26.1	29.9	36.3	. 34.5	45.1	43.3	35.0	16	The r The l	no corr Obserthe	thermo deduce ending	combin	mean d	of the fine of the	which The	S. Heron	to 30.3	
Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Phases   Autom   Autom   Phases   Auto			Highest in Sun's Rays.	120-7	134.5	132.9	134.9	135.9	138.8	124.6	133.2	15		cloud.	slight				clouds	-deaxe		ı
No.   Column   Colu	Degree	of Hu- midity	ration equals 100).	88	3 6	99	29	22	45	99	09	14	ZS.	its of	very	less.	erally	fine 1, P.M.	light	slight		
Noon	sture	9 6		0	1-7	0.0	0.0	1.3	4.4	1.6	1.7	13	MAR	amom	with	cloud	Gene	ter 101	Tew	with s		ı
Noon	Temper	peratur		000	9.66	18.7	22.1	27.4	31.8	20.2	23.5	112	AL BE		sselpi	erally	ı day.	less; g udy af	ثب	dless		ı
Phases   Alay	the Air	Ten		0	19.0	11:2	14.4	16.8	22.4	11.5	141	11	NER		clor	nd gei	warn out.	cloud lly clo	and 1			-
Phases   Alay				0	0.76	43.9	44.7	47.5	46.7	50.3	44.3	10	GE	fine	fions.	7 fine a	ry fine rough	erally Partia	y fine	y fine.		
Phases   Alexange   Core	-		De- parture from Average of Oyears.	0 1		- 14	1.03	+ 7.1	+11.4	4 30	4 1.2	6	*	Very Cold.	Very	Very	A ve	Gen day.	Ver	Ver tions.		
Non-   Name		ž.	Mean daily value,	0 0	40.5	55.1	59.1	64.3	1.69	8.19	58.4	00	n above orizon, hours.	16.1	1.91	16.2	16.2	16.3	16.3	16.3	Sum 113.5	29
Non-   Name		f the Ai	Daily Range.	0 8	98.7	30.5	31.7	31.0	26.4	22.4	27.3	7	red Su ine H irs. in	~	63	63		00		က္	Sum 95.9	28
Phases   Akean   Ake		0		0	57.9	37.4	41.0	46.6	54.1	20.8	43.6	9	Registe Sunsh in hor	13.6	14.	14.	15.		Ä		S 25	
Physical Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Physic			High		60.3	9.29	72-7	9.22	80.2	73.2	8.02		r. rof te.)		- anou	- tnou		hout -		hout -		
Physical Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Pering   Physics   Physic	Trees.	Mean daily reading	corrected and reduced to 32° Fahren-heit).	in.	30.283	30.201	30.162			30-017	30.124	1	ECTRICIT Explanation	through	through	through	. throug!	. throug	through	throng.		27
29 38 38 38 39 39 39 39 39 39 39 39 39 39 39 39 39					Perigee	: :	Last	Quarter.	Equator	:		60	(For e	w. P.	w.P.	w. P.	w.P					
			0						67		1	_				30			6.0			'
MAY.  MAY.  SUNDAY - 2  MONDAY - 2  TUESDAY - 2  TUESDAY - 2  TUESDAY - 3  SATURDAY - 3  SATURDAY - 3  MEANS  No. of Column  DATE.  MONDAY - 7  TUESDAY - 7  TUES	0000	1899.	MONTH AND DAT	MAY.	,		VEDNESDAV	JUNE. THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Colum	DATE.	SUNDAY -		TUESDAY -	WEDNESDAY	JUNE. THURSDAY-	FRIDAY .	SATURDAY-		No. of Col.

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

#### OFFICIAL COPY.

## WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,

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No. 23. 1899. Vol. LX.] WEEK ENDING SATURDAY, JUNE 10. [Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, June 12th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 16.4 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000.

	1	Weeks	endin	g	١		1	Weeks	endin	g
Towns.	May 20.	May 27.	June 3.	June 10.		Towns.	May 20.	May 27.	June 3.	June 10.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	21·3 19·3 18·6 18·8 16·1 13·8 16·0	16·1 13·5 13·3 15·2 11·2 12·2 10·8 11·2 11·1 17·6	16·7 19·7 17·0 16·6 8·5 14·8 21·2 11·5 13·9 15·7 17·1 17·6	14·6 14·3 13·7 11·4 17·2 13·2 19·2 15·1 17·1		Leicester - Liverpool - London Manchester - Newcastle-on-Tyne Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea - West Ham - Wolverhampton	23.9 16.3 24.5 13.9 23.9 16.1 21.4 23.8 17.8 21.3 16.3 20.1 15.6 14.4	20·8 15·7 21·4 16·9 13·8 17·4 20·1 31·5 31·6	15·6 24·3 17·0 26·5 17·8 13·4 15·5 22·1 19·2 17·8 22·6 20·5 18·8 17·5 10·2 22·9	20·9 15·7 22·9 15·1 11·0 18·1 20·8 17·6 17·3 21·0 16·7 20·8 18·1 10·8

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Bolton and in Salford, 1.1 in London and in Liverpool, 1.3 in Nottingham, and 2.2 in Manchester; and from whooping-cough, 1.0 in Leicester and in Oldham, 1.3 in Hull, 1.5 in Huddersfield, and 1.6 in Plymouth. In none of the thirty-three towns did the death-rate from scarlet fever, from "fever," or from diarrhæa reach 1.0 per 1,000. The 62 deaths from diphtheria included 28 in London, 7 in Swansea and in Sheffield, 6 in Leicester, and 3 in West Ham. One death from small-pox was registered in London, and 1 in Hull, but not one in any other of the thirty-three towns.

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

#### LONDON.

In LONDON\* 2445 BIRTHS and 1365 DEATHS were registered. Allowing for increase of population, the births were 160, and the deaths 129, below the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been 16.3, 15.7, and 17.0 in the preceding three weeks, fell again last week to 15.7. During the four weeks ending on Saturday last the death-rate averaged 16.2 per 1000, being 1.6 per 1000 below the mean rate in the corresponding periods of the ten years 1889-98.

The 1365 deaths included 1 from small-pox, 93 from measles, 5 from scarlet fever, 28 from diphtheria, 27 from whooping-cough, 7 from enteric fever, and 12 from diarrhoa and dysentery, and not one death from typhus, from any ill-defined form of continued fever, or from cholera; thus, 173 deaths were referred to these diseases, being 35 below the corrected average

weekly number.

The death from small-pox was that of a male aged 32 years, who had been removed from Hinde Street, Manchester Square, to the Hospital Ship "Castalia." The deaths from *measles*, which had been 51, 61, and 67 in the preceding three weeks, rose again last week to 93, and were 14 above the corrected average; 13 cases belonged to Poplar, 8 to Lambeth, 7 to Shoreditch, 7 to Camberwell, and 5 to Whitechapel sanitary areas. The deaths from scarlet fever, which had been 9, 5, and 4 in the preceding three weeks, were 5 last week, the corrected average being 16. The deaths from diphtheria, which had been 24, 23, and 24 in the preceding three weeks, further rose last week to 28, but were 7 below the corrected average; 4 cases belonged to St. Pancras, 3 to St. George the Martyr, Southwark, 3 to Newington, and 3 to Lambeth sanitary areas. The deaths from whoopingcough, which had been 39, 34, and 33 in the preceding three weeks, further fell to 27 last week, and were 20 below the corrected average; 4 cases belonged to St. Pancras, 4 to Shoreditch, and 3 to Lambeth sanitary areas. The fatal cases of enteric fever, which had been 6, 4, and 6 in the preceding three weeks, were 7 last week, which is also the corrected average. The deaths from diarrhæa, which had been 12, 10, and 13 in the preceding three weeks, were 12 last week, and were 11 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 257, 256, and 240 in the preceding three weeks, declined again last week to 216, and were 31 below the corrected average. The deaths attributed directly to influenza numbered 18, having been 26, 27, and 24 in the preceding three weeks.

Different forms of violence caused 80 deaths, concerning all but 2 of which inquests were held. Of these 80 deaths, 15 were cases of suicide, and 1 of homicide, while the remaining 64 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, 10 to drowning, 8 to burns and scalds, and 11 (of infants under one year of age),

to suffocation in bed.

#### CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2269 cases of scarlet fever, 1159 of diphtheria, and 97 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 278 cases, against 211, 229, and 260; of diphtheria, 174 cases, against 145, 143, and 145; and of enteric fever, 17 cases, against 16, 19, and 21.

<sup>\*</sup>Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojonnin the Hospital to have been erroneous.

### GREATER LONDON.

In Greater London 3555 births and 1822 deaths were registered, corresponding to annual rates of 28·4 and 14·6 per 1000 of the estimated population. In the Outer Ring 21 deaths from measles, 3 from scarlet fever, 8 from diphtheria, 9 from whooping-cough, 4 from "fever," and 6 from diarrhœa were registered. Seven deaths from measles, 5 from diphtheria and 2 from "fever" occurred in West Ham district.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30·14 inches, and that of the Thermometer 61°·1; the latter being 2°·9 above the week's average in the 50 years 1841–90. The direction of the wind was north-easterly, the horizontal movement of the air being 17 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 72·1 hours: no rain was measured during the week.

### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of May 1899. The supply was in the ratio of 235 gallons to one service.

COMPANIES.	Number of	Services.	Daily Suppl in Ga	
	MAY,	MAY,	MAY,	MAY,
	1898.	1899.	1898.	1899.
TOTAL SUPPLY	860,278	880,923	205,403,094	207,071,881
From Thames From Lea and from other Sources -	413,771	422,426	107,700,025	111,365.360
	446,507	458,497	97,703,069	95,706,521
THAMES.  Chelsea	37,867	38,256	11,731,497	12,328,007
	82,379	83,990	21,221,312	21,512,422
	121,625	122,719	30,831,163	33,477,199
	62,444	64,378	19,438,901	18,981,377
	109,456	113,083	24,477,152	25,066,355
LEA AND OTHER SOURCES.         New River	164,171	166,531	37,744,918	37,809,973
	194,871	201,194	44,355,607	41,112,000
	87,465	90,772	15,602,544	16,784,548

Note.—The Return for May 1899, as compared with that for the corresponding month of 1899, shows an increase of 20,645 services and of 1,688,787 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING MAY, 1899.

Water-analysis Laboratory, The Yews, Reigate,

2nd of June, 1899.

SIR,

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of May.

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing mains

I append, also, the results obtained in the analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

## Analysis of Metropolitan Waters.

## RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

ORI	COMPANIES	Date . and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	May 11th, Grand Junction Co.'s intake at Hampton,	o 13 <sup>.</sup> 9	27:68	*358	·078	*005	·169	·251	1.7	18.9
	Chelsea	May 17th, Cab Rank, Horse Guards, Whitehall.	12.8	26.00	•153	.018	0	·158	·176	1.7	18:3
	West Middlesex -	May 17th, Cab Rank, Riding House- street.	11.9	26:24	·146	.019	0	•192	.211	1.7	18.0
	Southwark	May 17th, Cab Rank, St. George's Church, Borough.	14.4	26.76	·132	.017	0	.172	.189	1,7	18.6
3.	Grand Junction -	{ May 17th, Cab Rank, Portmanstreet, Oxford-street. }	13.6	26.68	•149	020	0	·194	.214	1.7	18:3
funer Circle.	Lambeth	(Cab Rank, St. George's-)	13:7	28.10	· <b>1</b> 39	.016	0	•213	•229	1.7	18 6
Inne	LEA. (Unfiltered water) -	May 12th New River Cut at Green Lanes.		31.48	·126	·015	.006	·162	·182	1.7	19.1
	New River	{ Cab Rank, Tottenham } Court-road.	12.9	29*66	.069	-011	0	<b>·16</b> 8	·179	1.7	18:6
	(Unfiltered water) -	{ May 16th, Lea at Angel-road. }	12.7	31.40	·401	.069	.018	.116	200	1.9	19.1
	East London	{ May 17th, Cab Rank, Sidney-street, E. }	13.7	30.76	·152	.016	0	·140	.156	2.0	20:3
	DEEP WELLS.	May 17th, Police Station, Blackheath-road.	12.7	42:26	:043	.009	0	*492	·501	2.2	27.8
Outer Circle.	East London	May 27th, Waltham Abbey Well.	_	29:20	·111	.013	.011	trace	*025	2.0	18:3
	poration of Birming- am*	May 15th, Raglan Terrace, Lower Edward Street.	10.0	35.2	·160	.030	0	*250	280	2.7	22.0
Cor	poration of Glasgow†	{ May 15th, Loch Katrine water. }	8.8	2.96	·127	.017	0	.003	-020	0.7	1.4
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

<sup>\*</sup> Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 11th May at the Grand Junction Company's intake at Hampton had a temperature of 13.9° C.; 100,000 lbs. of it contained 27.68 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained 358 lb. of carbon and '078 lb. of nitrogen. The above quantity of water also contained '005 lb. of ammonia and '169 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '251 lb. The above weight of water also contained 1.7 lb. of chlorine, and 18.9 lbs. of carbonate of lime, or an equivalent amount of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale,

<sup>†</sup> Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, was:—Kent 0.9, New River 1.3, East London (deep well) 2.1. Southwark 2.5 Lambeth 2.6, West Middlesex and East London (river supply) 2.8, and Chelsea and Grand Junction 2.9.

The unfiltered waters contained the following proportions:—Thames at Hampton 7.4,

New River Cut 2.4, and Lea at Angel Road 8.0.

New River Cut 2.4, and Lea at Angel Road 8.0.

The Thames at Hampton was, on May 11th, turbid and yellow in colour. It was of bad chemical, but good bacterial quality. The water supplied by the five Companies drawing from this river was, in every case, efficiently filtered before delivery; and, both chemically and bacterially, of excellent quality for dietetic and all domestic purposes. In comparison with the water passing the intakes, the bacterial improvement effected by the Thames Companies is expressed by the following percentage numbers:—Chelsea 98.59, West Middlesex 99.49, Southwark (general supply from Hampton) 98, (No. 4 filter) 99.77, Grand Junction (general filter well at Hampton) 98, (general supply from Kew) 95.76, (South filter well at Kew) 99.53, and Lambeth 99.77. well at Kew) 99.53, and Lambeth 99.77.

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was, on the 12th of May, turbid and very pale yellow in colour. It was of good chemical and bacterial quality. After efficient filtration, it was delivered in excellent quality for dietetic and all domestic purposes. The reduction in the number of microbes

amounted to 98.79 per cent.

The water drawn from the Lea at Angel Road by the East London Company was, on May 16th, turbid and yellow in colour. It was of very bad chemical and bacterial quality; but, after efficient filtration, was delivered in excellent chemical and bacterial condition. In comparison with the raw water at the intake, the bacterial improvement is expressed by the following high percentage numbers:—No. 1 Essex filter well 99.88, No. 2 Essex well 99.97, and Middlesex well 99.85.

The deep well water of the Kent and East London Companies was clear and bright

without filtration, and of excellent quality for dietetic and all domestic purposes.

Seen through a stratum two feet deep, the Kent and East London Companies' water was clear and colourless, the New River clear and nearly colourless, and the remaining waters

clear and very pale yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the filtered supplies delivered by the various Companies, collected on the 11th, 12th, 16th, and 17th of May, yielded, after prolonged incubation, the results contained in the following

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, May 11th  " after storage by Chelsea Company, May 11th  West Middlesex Company, May 12th  Grand Junetion Company's water at Kew Bridge passing to filters, May 12th  New River Cut before passing through reservoirs, May 12th  " after  River Lea at Angel Road, May 16th"  " after storage by East London Company, May 16th	1,700 460 380 340 1,160 420 29,900 1,640	0 13:9 12:8 12:8 13:8 
FILTERED RIVER WATERS AS SUPPLIED.  THAMES.  Chelsea Company's general filter well, May 11th Southwark Company's tap on filtered water main at Hampton works, May 11th No. 4 filter well Grand Junction Company's general filter well at Hampton, May 11th """ tap on filtered water main at Kew Bridge, Works, May 12th South filter at Kew Bridge, May 12th Lambeth Company's general filter well, May 11th	34	12:8 12:8 13:5 12:2 13:1 13:9 13:7 13:1
LEA.  New River Company's general filter well, May 12th	14 36 8 46	13°4 12°9 12°9 12°8
DEEP-WELL.  Kent Company's "New" Well at Deptford, May 17th	. 2	11.4

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied to that City was, on the May 15th, "clear and pale green in a two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on May 15th, "light brown in colour, and contained a little suspended matter."

I am, &c.,

E. FRANKLAND.

The Registrar-General, &c., &c.

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		D. J. STORMAN					APT																									_				W.
	CITIES	BOROUGHS	Cols.	33 TOWNS.	Loubon	WEST HAM.	CROYDON	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL,	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON,	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	GATESHEAD.	NEWCASTLE.	
FALL.		In Centi- metres.	24.	00.0	00.0	000	0.00	0.00	0.00		0.00	ı	1	0.00	1	0.00	1	0.0	1	1	0.00	1	1 1	1	1	1	1	0.00	1	0.0	1	1 0000	00.0	1	1	
RAIN		n Inches.	55	0.00	00.00	30.0	0.00	0.00	0.00	,	0.00	1	1	0.00	,	0.00	1	0.00	1	1	0.00	1	1 1	1	'	1	ı	0.00	ı	0.0	ŀ	1 8	0.0	1 1	1	
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	Mean,	.tiedneardeft.	13	58.80	0.10	1.19	80.1	50.0	59.5		59.9	,	,	58.2		56.1		58.3	1	1	0.80	1		1	ı	1	,	9.29	1	9.69	1	1	6,00	1 1	F	
		peit Lowest.	20.	8.04	-	46.4	17.0	0.67	48.0		41.0		1	10.8	1	43.8		42.3	ı	1	6.97	1	1	1 1		1	1	42.3	ı	43.8	1	1	0.9	ŧ	1	
		Hahrenheit.	19.	81.5	3	c.18	0.10	27.2	8.11		8.6!	1	ı	1.82	1	81.5	1	80.3	1	1	2.02	1	1 :	, ,	1	1	1	78.15	1	81.5	1	1	0.62	1	1 1	
noo,	he Deaths.	From Diseases in Cols. 6-12.	18.	1.8		0 1	7.7	# O	1.6	1.6	9.0	8.0	4.0	9.0	1.1	,	5.7	3.0	0.0	6.0	7.7	00 00	3.4	50 T	- ×	8.0	1.8	1.5	0.2	2.0	6.0	99 01	رة د ا	1.4	9.0	
Teg Torrespo	to the Week's Deaths.	From All	17.	16.4		15.7	11.0	11.0	9.01	17.9	9.71	13.7	18.1	14.7	15.3	11.0	13.7	18.1	17.5	18.1	8.62	17.7	6.55	0.000	0 m	17.71	17.3	15:1	19.5	17.4	14.8	1.91	17.1	8.07	15.1	
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d during	ending 1899.	DEATHS.	2	3591	1000	1365	79	20 1	35	22.	66	49	36	120	151	101	7,8	000	32	40	954	555	239	88	09	31	39	06	0e	26/	130	116	11	28	27	99
Registere	the Week ending 10th June 1899.	BIRTHS, DEATHS.	-	2002	1700	2445	180	22	50	27 00	175	100	25	Q.	AT C	#TC	143	138	99	5	495	123	396	156	22	22.0	2.2	100	70	F 65	250	233	155	102	62	146
	POPULATION	estimated to the middle of the Year 1899,*		408		4,546,752	300,241	127,759	123,226	100,741	320,031	185,896	103.722	00 00	00,021	119,900	002,200	100,612	106.401	115 100	201,011	162.221	543,002	218,244	150,772	113,081	135,154	200,000	103,464	986 941	453 880	361 169	234.270	145,613	106,552	228,625
	e seren	gá He			-	LONDON	WEST HAM	CROYDON		PORTSMOUTH -	PLYMOUTH		CARDIEF	W ANDER	WOLVERHAMPTON	BIRMINGHAM -	ı	LEICESTER -	NOTTINGHAM -	DERES -	BIRKENHEAD -	LIVERPOOL	MANCHESTER -	SALFORD	Огрнам	BURNLEY	BLACKBURN	Theorem	HUDDERSFIELD -	HALIFAX	DKADFORD	Transpara	HILL	SUNDERLAND -	GATESHEAD	NEWCASTLE
-								_							-																					

TABLE 2. LONDON .- Births and Deaths Registered in the TWENTY-THIRD Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2523 1299 1224	2399 1231 1168	2698 1370 1328	2422 1223 1199	2582 1324 1258	2300 1147 1153	2333 1176 1157	2545 1307 1238	2314 1208 1106	2646 1385 1261	2605·3 1333·1 1272·2	2445 1206 1239
TOTAL <b>Deaths</b> -  Males  Females	1306 675 631	1393 733 660	1896 948 938	1428 772 656	1491 806 635	1398 760 633	1247 633 614	1467 723 744	1177 649 528	732 679	1494·4 781·8 712·6	1365 710 655

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twenty-third week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS

	in Ho	SFILA	.110, 111	one i	1015U I	пікі	EEN V	PER					1
• 1	Mar. 18.	Mar. 25.	Apr.	Apr. 8.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.	May 27.	June 3.	June 10.
TOTAL Births	2613	2480	2609	2554	2875	2759	2693	2623	2574	2598	2306	2678	2445
TOTAL Deaths	2099	<b>2</b> 025	1922	1816	1624	1499	1478	1397	1428	1419	1363	1483	1365
$\begin{array}{c} {\rm logs\ at} \\ {\rm logs\ at} \\ {\rm Death} \\ {\rm Color \ be} \\ {\rm Color \ be} \\ {\rm logs\ at} \\ {\rm log\	376 278 106 238 436 518 147	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57
Deaths from— Small pox	35 7 45 73 -7 -8	- 33 4 37 90 - 4 - 11	37 4 31 57 - 9 1 7	29 8 34 58 - 6 - 11	- 34 6 20 54 - 14 - 4	51 7 29 47 - 3 - 7	- 45 6 26 54 - 4 - 10	36 10 21 47 7 -	- 49 2 40 39 - 8	51 9 24 39 - 6 - 12	- 61 5 23 34 - 4 - 10	67 4 24 33 - 6 - 13	1 93 5 28 27 - 7 - 12
All the above Diseases -	175	179	146	146	133	144	145	133	147	141	137	147	173
Dis. of Respiratory System - Phthisis - Dis. of Circulatory System - Violence - Inquest Cases - Deaths in Public Institutions-	565 209 198 75 184 637	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	42·5 52·4 33·8	32*2 40*9 24*8	50·1 59·0 43·2	48.9 56.1 44.0	43·9 52·2 37·2	43.4 52.3 34.7	50·1 57·3 44·1	46.4 55.3 37.2	50°9 62°2 41°7	54·4 62·7 48·3	49.5 57.1 43.2	58.4 70.8 43.6	61.1 73.3 49.1
Humidity of the Air	87	68	77	77	80	75	76	67	<b>7</b> 5	75	78	60	64
Rain-fall (in inches)	0.00	0.11	0.37	0.49	1.27	0.43	0.79	0.00	0.01	0.97	0.66	0.00	0.00
Registered Sunshine (in hours)	19.7	31.3	19.5	25.3	21.9	26.5	17.8	49.7	43.0	33.9	29.3	95.9	72.1
CASES OF INFECT	TIOUS	SICKN	ESS IN	Hose	PITALS	* AT I	HE EI	ND OF	EACH	WEE	K.		
Small-pox	2437 1261 183	$\begin{bmatrix} 1 \\ 2355 \\ 1200 \\ 173 \end{bmatrix}$	2322 1165 148	2235 1126 - 139	2126 1068 129	3 2144 1034 125	2131 997 124	2139 1040 118	2210 1065 107	2161 1066 99	2201 1111 102	2212 1134 99	2269 1159 97

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their neteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. ?reston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LLD., Plymouth; R. C. Cann Lippincott E;q., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R. (. S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the TWENTY-THIRD Week of the Year 1899.

	r the years	8	In t	he W ay, 10	eek th J	endi une	ing 1899	9.			r the years	2	In	the	Wee 10tl	ek er h Ju	nding ne 18	99.	
	ges for the 10 8*.		Dea	ths o	f Pe		sof				ges for the 10 18*,		De		of I		nso	t	
ES OF DRATH	Corrected Avarages 23rd Week of the 1889-98*.	ALL AGES.		der	0.	and	40 and under 60.	and und	80 years and upwards.	CAUSES OF DEATH	Corrected Averages 23rd Week of the 1889-98*,	ALL AGES.	0-1.	70.	5-20.	20 and under 40.	40 and under 60.	and und	8c years and npwards.
SES	1494.4	1365	281	218 7	9	197 2	264	269	57	Diseases of Circulatory }	121:3	110	-	2	7	25	39	35	2
Vaccinatedi - Unvaccinated No Statement	0.5 0.2 0.5 78.5 15.5 0.2	1 - 93 5	23	- - - 66 4 -	- - 4 1	1		11111		Croup Bronchitis	2°9 116°8 100°9 6°7 19°3	1 68 134 1 1	1 18 30 -	2 35 - 3	- 7 1	1 22 -	- 8 25 - 3	- 32 15 - 4	7
g Fever	33.6 47.3 34.8 0.6 6.7 0.8 22.7	18 27 28 - 7 - 12	17 2 - - 10	1 10 18 - - - 1	1 8 - 2	5 - 3	3 2	6	2 1	Dentition	7.9 2.7 14.4 6.5 26.7 27.0	14 1 19 3 21 32	7 1 13 - 3 5	-	- 3 - 1	1 2 5	- - 2 6 5	- 2 - 8 12	
nt Fever	0·1 - 0·1 9·2 4·0	10 3 2	52		- - - 1	3 -	1		1 1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	1.8	1	-		1	-		-	-
and Septicæmia al Fever – ymotic Diseases	1.8 5.8 1.3	2 4 1	-	-	1	1 3 1	<u>-</u>	-		Diseases of Urinary System }	41.1	42	-		-	9	14	13	6
and other Para-)	0.3	- 1		-	-		- 1	-	-	Diseases of Generative System Accidents of Childbirth-	6·1 5·4	1 4	- -		-	4	1	-	1 1 1
Diseases - }							_			Diseases of Locomotive System }	6:3	7	-	1	3	1	-	1	1
ton, Want of the dism	1.6 9.7	13	-	-	-	- 5	6	2	-	Diseases of Integumen- tary System-	4.9	5	]	1	-	-	1	2	-
atic Fever, matism of Heart } atism lesenterica - lar Meningitis - a, Tuberculosis - Constitutional } ses	5°2 2°4 3°3 7°6 73°6 18°4 30°8 157°5 17°8 11°9	5 3 4 4 68 14 22 141 21 15	- 2 - 6 5 2 3	1 - - 6 11 6 6 1	8	1 - 1 - 7 - 57 4 1	- 2 32 - 51 2 3	1 3 1 27 - 16 1 7	- - 2 - 1 - 3	VIOLENT DEATHS:  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions	55.6	-7 1 11 8	- - -	- - - 1 7	1 - 1	1	- 2 1 1 -		11 1 11 1
ure Birth asis ital Malforma- }	44·3 3·5 8·2 42·8	37 2 6 47	37 2 6			-		- - 26	21	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		10 11 2 23	- 10 - - -	1 2	1	5 - 2	4	7	7 2
xy	41.2 6.4 34.9 78.3	41 4 24 89	- 22 12	1	}	4 2 - 11	14 1 - 21	1 -	-	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Execution	1.8	1 15 -		111	1 1 1	15-	10	1-1-1	111
s of Organs of al Sense -	2.3	5	-	1	3	1	-	-	-	OTHER CAUSES	41.7	32	2	7 2	-	2	-	]	-

y those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the fideath is not certified by a registered practitioner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of it, murder, manslaughter or suicide. All such causes are classed under "accident"

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASL SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIABRHEA, VIOLENCE, &c., registered in early DISTRICT during the Week ending Saturday. 10th June. 1899. TABLE 5.

SUB-DISTRICT during the We	ek endin	g satu	ruay,	1001	1 0 0	ne,	_										
				_			The l	DEAT	HS re	gister	ed du	ring	he W	eekir	clud	е	
	Enume-			Dea	thsof			,	:	Death	s fro	m					utions
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Stall-pox.	Measles.	Soarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoia) Fever.	Simple Continued Fever.	Diarrhoa.	Violence,	Inquest Cases.	Peathsin Publicanstitutions
LONDON -	4,411,710	2445	1365	281	326	1	93	5	28	27		7		12	80	156	467
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	360 563 114 455 953	240 291 86 237 477 34	35 58 19 56 113	72 76 12 39 111	1	3 13 12 34 31	1 3	1 13 - 14	26289	1 - 1 3 1 1 1	2 - 1 2	-	4 1 3 4	18 16 6 16 24	32 29 9 36 50	87 93 40 75 138
WEST DISTRICTS.  St. Mary Paddington $G$ & W.  WHH  St. John Paddington $H$ $G$ .	90,996	50	27 15	3	10	_	-	1				-	-	-	2 3	4 3	8,
Kensington Town Ww W.	122,164 48,301	58 11	36	5 1	15	+ -	1	-	-	-	-	1	-		3	5	15
Brompton $HH$ W & C.  North Hammersmith† $H$ South Hammersmith† $H$ Fulham $Wvv$ W & C.	44,638 59,561 113,781	30 19 70	11 17 43	3 - 13	5 6 12		- 1		- 1	- 1		1,1	-	- 4	1 1 1	2 2 3	5 12
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH - C.	21,450 42,057 33,139	12 28 21	18 12	1 1 2	- 2 2					-		1 1 1	-	-	- 3	$\frac{1}{2}$	12
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	5 20 11 4	14 20 6 9	1 2 - 2	82 - 2		- 1			1 - -		- 1 -	-		4 -	1 4 1 3	11 9 1 3
$\left\{ egin{array}{ll} \mathbf{St.JamesWestminster} \\ \mathbf{WHH} \\ \mathbf{St.AnneSoho} & \mathbf{HHHHHHH} - \mathbf{N}. \end{array} \right.$	23,050 12,048	7 6	1 3	1 -	-	-	-		- 1	-	-		-		-	1 1.	1
NORTH DISTRICTS.  All Souls Marylebone	36,595 19,798 19,637 32,547 32,611	11 5 45 14 15	15 4 1 6 6	2 - 1 2 1	2 2	1 1 1 1 1	1	1 1 1 11	1 1 1 1 1	1 1 1 1		1	- - -		1	1 - 2 1	5 1 1 1 1 1
Hampstead WWHHHH	75,449	31	25	5	4	~	2	1	6	-	-	-	-	-	1	1	10 ,
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	21 7 14 20 19 51	6 11 10 11 16 32	1 - 2 3 3 7	2 2 3 7 8	1 1 1 1 1 1	1 - 1 2	1 1 1 1 1	2	1 1 1 - 1	1 1 1 1 1		1 1 1 1 1	11111	- 1 1 1	- 4 1 1 3	9 1 1 11 10
$ \begin{array}{c} \text{Upper Holloway} \\ WWWwHH \\ \text{Islington South-west} & \text{H} & \text{-N.} \\ \text{Islington South-east} & \text{-N.} \\ \text{Highbury} & HH & \text{-N.} \\ \end{array} $	98,273 107,365 66,549 64,577	48 66 37 32	35 16 15 7	3 3 7 1	14 3 3 2	1 1 1 1	1 - 1 1	1 -1 1 1	1	2 -	1 1 1 1		1 1 1 1	1	1 1 1 1	1 2 2 1	18
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$\left\{\begin{array}{c} 16 \\ 13 \\ 33 \\ 35 \\ 30 \end{array}\right.$	8 8 16 18 25	1 2 3 4 7	4 5 1 5 7	1111	1 - 2 -	11111	- 4		1111	1	11111	11111	1 1 - 4	- 1 1 2 5	- 8 4 15

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers at received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signiff 3rand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. Ne River; E. East London; and K. the Kent Company.

See note son second page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and wre-named North Hammersmith and South Hammersmith, respectively.

LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES LEET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each DISTRICT during the Week ending Saturday, 10th June, 1899—continued.

DISTRICT during the Wee		11	,			10, 1						a	n tha l	Wash	i	do		
				Deat	haof		The	DEA		Death			g the	w eek	10310	ae	- igo	of
	Enume- rated								1	Jeath	3 110		70	1	_		stitutio	
TRATION SUB-DISTRICTS	Popu- lation 1896.	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid, Fever.	Simple Continued Fever,	Diarrhoss.	Violence	InquestCases	Deaths in Public Institution	Uncertified Causes
ENTRAL DISTRICTS.							1 10											
ge Bloomsbury N. South $WH$ N. North $H$ N.	16,110 12,976 9,151	7 7 7	3 2 5	1	1 1 1	-	-	-	-	-	-	1 1 1	-		-	1	2	_
J-in-the-Fields HHN.&C. WHH N. nion Workhouse, Edmonton	13,077 11,839 +1,037	3 -	11 10 2	1 1 -	1 - 2	-	1 2 -	-	-	-	-		-		2 -	2 1 -	8 7 2	-
WHHHHHHH	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	24 5 28 4 21 1	13 5 5 - 13 2 -	6 1 2 - 4	1 1 1 - 1	111111	2 1 3 1 -	1111111		1		1111111			1	1 - 1 - 1 - 1 - 1	8 - 2 - 2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	1 2 1 2	13 1 1	- - 2 - 1 -	3			- 190 - 190 - 190 - 190		1		1111			3 -	3	10 - 1	1
EAST DISTRICTS. $tch South Hl - E. & N. New Town w - N.$	17,975 29,575	6 18	14	<b>1 3</b> 5	4	1-1	- - 5	1 1	1 1	-1		-			1 1	1	5	111
Old Town N. & E.	27,645 47,163	16 18	14 12 17	4	.2	-	2	-	-	1	-	-	-	-	1	1 2	. 9	-
Green North $H$ - E. Green South - E. Green East $WHl$ - E.	49,301 34,194 45,667	32 22 28	9 7 13	3 2 4	1 2 2	1.1.1	- 1 -		1 1 1			-		- - 2	1 2	1 2 3	- - 7	
elds E & N. d New Town* WH - E. an's Fields* E.	26,681 } 51,995 {	16 30 18	4 40 5	2 2 1	5 1	~	1 5 -	1	1 1 1	- 1 -		-	-	<u>-</u> -	- 4 -	2 8 -	31	
ge's North E.	39,576 7,930	46 2	9 10	6 2	3		1 2	-	-			-	-	1	1 -	1 4	6	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	10 9 14	6 5 7	$\frac{1}{2}$		-	1 2	-	-	-			-	1 1 1	1	1 1	3 -	
d Old Town West H E. d Old Town East E.	} 111,060	{ 40 37	8 12	3 3	4	-	1 -	-	-		-		-	-	- 1	ī	- 21	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	26 39 28	8 29 22	2 4 6	3 6 4	111	- 4 9	-	-	1 2 -	22°	- - 1		111	4	6 1	11 1	-

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX ME SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 10th June, 1899—continued.

		-					The	DEAT	HS reg	ister	ed du	ring t	he We	ek in	clude	
	Enume-			Deat	hsof				D	eaths	from	1				
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total Blurns.	Total DEATHS.	Infants under 1 Year of Age,	Personsaged 60 Years and upwards.	Small-pox,	Measles.	Soarlet Fever,	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhosa.	Violence.	InquestGases.
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L.	13,064 12,301 22,879 16,083 21,316 28,723	8 6 14 15 15 15	3 4 8 13 5	- 2180 821	1112	-	- ] 1	11111	- - 1 1	- 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11111		1 1 1	1212
St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.  St. Olave WH S. Bermondsey W S. & K. Rotherhithe WwH - S. & K.	11,731 85,475 40,379	34 23 2 42 28	10 5 19 21 23	4 1 2 7 4	2 1 5 5		1 - 2 - 2 -	1 1 1 1	1 .7	1 -			111	111	3 1 4	1 4 1 5
Waterloo-road <i>HH</i> - L. & S. Lambeth Church 1st <i>H</i> - L. & S. Lambeth Church 2nd <i>WW</i> L. & S. Kennington 1st <i>H</i> - S. & L. Kennington 2nd - S. & L. Brixton <i>w</i> L. & S. Norwood <i>WH</i> L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	23 15 41 36 19 44 13	9 17 35 11 7 17 6	5 1 7 6 2 3 2	1 12 1 2 4 1	111111	2 2 4	1	- - 1	1 2 - 2	1111111	- - - 1	-	1 -	1 3	151211
East Battersea S.  West Battersea   WWH S.  Clapham   H S.  Wandsworth   WHHL S.  Putney S.  Streatham   WwwWL L.	71,730 93,385 46,953 58,101 20,566 61,644	40 58 25 48 16 35	15 19 18 8 6 18	7 2 6 3 2 3	8 2 1 3 6	11111	1 4		ī - ī	1				1	1 - 1	4 1 1
Dulwich L. & S. Camberwell Wwll - S. & L. Reckham WW - St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	37 40 37	1 29 15 16	1 7 4 2	10 4 3		3 3	-	1111	1 1 1	1111	1 1 1		1111	1	2 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	28 33 13 14 30	7 15 10 6 19	2 4 2 - 6	1 5 4 3		1 2 2		-3			1	11111	11111	1 - 1	1 - 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	2 9 24 9	20 6	- 2 1 1	1 7 2		1 1 -	1 -	1 -	- 1 -	-	1111		1111	1111	- 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	8 7 9 12 28	8 3 5 3 11	1111-	1 2 4	11111			3				11111	- 1 -	- 2 - 1	1 2 - 2
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum	_		7744 22 11 22		1 2 1 -	1			11111111111		11111111111	11111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11111111111	11111111111

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES DEPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ding Saturday, 10th June, 1899.

DON-OUTER RING								The	DEAT	THS r	egiste	red in	the V	Veek i	nclu	le		
Registration   Popular   Section   Popular		Enume-		ชน์			-		I	eath	- 1	-				0	6.8	
Carshalton wHH — 12,228		in	Popu- lation,	BIRTHS	DEATH	under of Age	aged & upw	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Publi Institutions.	
Speem.part of * W - 10,425   12,508   17   7   - 3   4	DON-OUTER RING -	368,749	1,422,063	1110	457	106	121	-	21	3	8	9	4	6	33	44	59	7
Croydon WuHHH - 20,851 13,869 64 34 4 10 - 1 1 5 Mitcham w 11,667 23,072 15 5 1 2 1 1 1 - 5 Mitcham w 11,677 23,072 15 5 1 2 1 1 1 1 1 1 1 1 1 1 1	Carshalton wHH Epsom, part of* WwHH -		26,108 12,508	16 17	4 7	1 -	3	-		-	1 -		-	-		-	4	-
Mitchlam '00	Godstone, part of* W -	2,754	1,598	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surbition H						4		-		 	-		-	-	- 1	ī		-
Mortiake   H	Kingston $WH$ Surbiton $H$ Esher, $part\ of^*$ $HH$	14,672	$   \left\{     \begin{array}{l}       33,566 \\       12,178 \\       11,080   \end{array}   \right. $	15 10 8	10 2 4	-	1 1	-	-	=	-	-	- 1		-	1 -	_	
Beckenham H	Richmond $WH$ Mortlake $H$							-			-			1	1	-1	-	-
Dartford WH, part of *	Beckenham H	6,542	21,969			-			-		-	-			_	. 1 21	- 4	-
Staines   WH	Bexley HHH Dartford WH, part of * -	12,540	30,590	35 -	16		4	-			-			-		3 -	1 -	3 -
Uxbridge	Sunbury w Staines WH				4 2		_	-			-						-	1.
Twickenham $HH$ 2,415   16,027   9   6   7   3   7   7   7   7   7   7   7   7	Uxbridge	12,757	12,237 7,253 11,051	3	-	-		1 1 1				-		1 1 1	-	-		-
Edgware $HH$ $6.994$ $3.841$ $ 1.7$ $3.4$ $ 1.1$ $1.1$ $ 1.1$ $1.1$ $ 1.1$ $1.1$ $$	Twickenham HH Brentford HHHHH Chiswick	2,415 4,318 1,245	16,027 37,777 21,963	9 18 10	6 20 9	2 3	3 7 4		4	-	-	1	-		1	2 1 1 1	9 -	1 1.1 1 1
Barnet WHH { 4,688 }       25,820   14   5   2   1     2   3   3   3   1   1   1   1   1   1   1	Edgware $HH$ Willesden $HHH$	6,994 4,383	3,844 61,265	66	17	-	4	-	-	-		-		1	111	1	- - 2	
Tottenham HH 4,442 97,174 69 31 77 10 1 1 3 - Edmonton Www 7,489 36,351 34 18 5 5 5 1 1 3 1 3	Barnet WHH	13	14,152	9		-				-	1	-	-		2 -	3 -		-
Bushey H 9,331 7,737 4	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	4,642 7,489 12,602 11,017	97,174 36,351 31,536 6,066	69 34 21 2	31 18 9 2	-	10 5 1	-	- 4	1	-			-		3	3 -	
Stratford H	Hatfield, part of * W	3,306	582	1	-	-	-	-	-	-	-	-	-	-	~	-	-	-
Plaistow WHHHH	Bushey H	9,331	7,737	4 -	-		-	-	-	-	-	-	-	-	-	-	-	-
Bomford, part of * WH - 6,556 4,324 5 2 1 1 1	Plaistow WHHH - Canning Town H - Forest Gate w East Ham wHH - Leyton WWWwH - Walthamstow HHL - Chiewell wrt of HHHHH	3,266 4,334 6,501	58,030 54,750 53,511 32,713 70,188 57,330	69 53 34 67 58 58	21 7 20 32	8	4 2 2 12		5		1 1 -	-	- - 1	1	6	3	11 -	
Hackney. Middlesex County Asylum, — — — 4 — 2 — — — — 4	Romford, part of * WH - Ilford	8,493	10,913	19		1 1							111			1.1.1		
Wallusworth.	Eastern Fever Hospital, Hackney.	processor.	-	-		-	-2	-	-	-	1	-	-		-	-		

ne parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring (follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst istrict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in ald sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping (1079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for load Boiseases belonging to the Outer Ring in 42: 2, Dartford; 137:2, Watford; and 187: 2, Epping sub-districts.

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 10th June, 1899.

	Area	Population estimated	of MOB	L RATE	DEATHS	Dear	The Dr	ATH	S regi			e We		lude	
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	14.6	1.8	1822	387	447	1	114	8	36	36	11	18	113
INNER LONDON - OUTER RING -	74,672 368,749	4,546.752 1,981,682	15°7 12°0.4	2.0 1.3	1365 457	281 106	326 121	1 -	93 21	5 3	28 8	27	7	12 6	80 33

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

	POPULATION	DATE				ANNUAL	DE.	ATHS		DISEAS		L ZYM
	(enumerated or	OF RETU	TRN.	BIRTHS.	DEATHS.	DEATH- RATE per 1000	-pox.	sles.	rlet er.	heria	ping- gh.	Fever.
	estimated).	Week end	iing	Exclusive	or Stillborn	living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping cough.	Fer
EDINBURGH -	298,927	June	10	163	108	18.8		1	1	_	4	-
GLASGOW	733,903	99	10	468	264	18.8	- !	24	4	1	4	4
DUBLIN	349,594	"	10	226	169	25.2	-	-	2	1	3	4
CALCUTTA	469,460	April	29	-	434	48.5	-	-	-	-	-	2051
BOMBAY	821,764	May	16	151	1011	64.0	, 8;	41	?	. ?	?	364†
MADRAS	452,518	April	28	334	303	34.8	1	4	?	?	?	44
PARIS	2,511,629	June	3	1058	947	19.6	-	30	6	4₹	15	8
BRUSSELS	551,011	,,	3	242	159	15.0	-	2	-	1*	-	1 -
AMSTERDAM -	512,758	May	27	238	114	11.2	-	-	1	2	1	
ROTTERDAM -	311,301	99	27	209	87	14'4	- 1	-	-	1	1	-
THE HAGUE -	196,325	**	27	124	64	16.7	-	-	-	1	1	_
COPENHAGEN -	345,000	June	3	138	126	19.0	-	1	1	1	3	-
STOCKHOLM -	283,550	May	27	155	116	21:3	-	4	-	6*	-	-
CHRISTIANIA -	263,337	June	3	147	70	16:5	-	-	-	-	2	-
ST. PETERSBURG	1,132,677	May	27	571	572	26.3	1	12	10	10	6	25
Moscow	988,610	,,	27	-	529	27:9	3	7	4	14	2	8
BERLIN	1,805,054	22	20	915	676	19.4	-	18	14	8	21	-
HAMBURG	675,351	June	3	-	200	15.4	-	1	-	2	1	1
DRESDEN	389,300	May	13	241	130	17.2	-	-	3	10	-	-
BRESLAU	406,012	June	3	-	174	22.4	-	-	2	-	-	-
MUNICH	445,000	May	27	283	218	25.7	-	-	-	2*	3	1
VIENNA	1,606,629	June	3	904	700	22.4	-	25	4	6*	4	2
PRAGUE	380,497	* **	3	183	179	24.2	-	5	1	2	-	2
BUDA-PESTH	666,722	May	27	474	286	22:3	1	4	8	1*	2	4
TRIESTE	165,913	, 91	20	89	66	20.6	-	-	2	-	4	1
ROME	500,610	19	20	-	- 1		-	-	-	-	-	-
TURIN (10 days)	344,203	April	20	-	- 1		-	-	-	-	-	-
VENICE	169,883	May	20	64	78	23.9	-	4	-	10	-	2
CAIRO		April	15	~	- 1		- ,	-	~	-	-	-
ALEXANDRIA -	319,766	>>	15	-	-	-	-	-	-	-	-	-
NEW YORK (including	3,550,053	Moss	20									
BROOKLYN)		May			- 17			-	-	-	-	-
PHILADELPHIA -	1,266,832	97	27	-	384	15.8	-	-	1	18	2	14
				U								

Including deaths from croup.
 † Including 77 deaths from plague in Calcutta and 272 in Bombay.
 ‡ Including 18 deaths from cholera in Calcutta and 1 in Bombay.

								M	ele	orou	grco		Joser	vairo	718.							<b>2</b> 99
		Ozone,		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36	sea ;	ns of	cars the	num The	bles.	and eter.	eter.	nent,	ay; d of	
collected	in a Gauge whose	receiving	surracers sinches above the Ground.	ii. 0:00	0.00	0.00	0.00	00.0	0.00	0.00	Sum 00.0	25	l of the	The means of the wet bulb	correct wenty yardises	momer i minir imn 8).	om the r rical Ta observa I movet	ling 1878 higher,'	Electrometer. m. moderate;	Instrun	same d y the en	
-	on's.		Departure from Average of 16 Years.	Miles	-157	- 123	- 41	+101	19 +	등 	Sum - 306	24	еап Јете	el. P.M. T. and th	ation of ng the t	um and air (colt	nced fro ygromet nof the rizonta	earsencicates"	istering E weak; m.	nshine	M. on the	
	Robinson's.		Horizontal Movement of the Air on each Day.	Miles.	06	126	210	353	320	233	Sum 1446	133	idnight,	sea leve and 9b cometer	e applicade duri	maxim neofthe	sher's Hiscussio	the 16 y at + ind exerror	lf-regist w.we	tokes Su	the peg by 5h. P.] sed to 3(	
			Mean of 24 o	1bs.	0.0	0.0	0.5	0.4	0.3	0.1	:	1 31	ht to m	luce to 3h. P.M thern	s by th rds ma wenty	or the	midity by Glai fom ad and th	rds for ind th theind	Thomson's self-reg N. negative; w.	each d	o in. ar 106 in. 1 decrea	
	re on th	Square Foot.	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	idnig 159 fe	to recon;	values reco	ading ngs f tem]	of bu eters! ivedf: g 1890,	creco: in m edfor	homsel.	Caml	to 30 to 30 and	
-	Pressu	Squa	Great. L	1bs.		9.0	3.0	∞ ¢1	2. <del>†</del>	7.	:	30	rom m	A.M.; De dry	daily raphi uring	an reg readi alue o	legree rmom latder ending	metri borne orrect	rom T	m the	reased reased re 8th	
	Osler's.	irection.	P.M. G	E. ESE.	& SE. NE., varia-	ble & SSW. ENE. E.	E. & ESE.	NE. &	N. & NNE.	NE. & E.	E E	61	ivil day, or f	ied to the restaken at 9h., arometer, th	d into mean of the photog neter, and d	sorrected me nean of the mean daily v	erature and over bulb the of the air isthe the 50 years	or the anemore 24 it will be e.	id. 7 is derived fe:-P. positi	3, derived fro	neter increas the 6th; dec h. A.M. on th	
	Annual County of the Colonia Research County County	General Direction.	A.M.	E. NE. &	23		E. & ENE.	NE.	NE.&	S. NE.	Z	18	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 189 feet above the mean level of the sea.;	no correction has been applied to the readings to reduce to seallevel.  Observations are usually taken at 9th. A.M.; noon; 3t. P. M., and 9th. P.M. the eye-readings of the barometer, the dry built thermometer; and	hernrometer's are converted into mean daily values by the application or forrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the	barrnomeers, with the corrected mean readings of the cry bulb thermometer and combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The	mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet builb thermometers by Glaisher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement	of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and  "lower," than the average.  The valuesgiven in column 17 are not corrected for the index error of the thermometer.	which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate;	s. frong; and v. variable. S. frong; and v. variable. The numbers in column 28, derived from the Campbell-Stok es Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	Late Results of take Datometer Interessed Liona 300% in at the Serunting of take week to 3012 in, by 10b, A.M. on the 6th; decreased to 30406 in, by 5b, P.M. on the same day; thereased to 30725 in, by 10b, A.M. on the 8th; and decreased to 30710 in, by the end of the vessel to 30725 in, by 10b. A.M. on the 8th; and decreased to 30710 in, by the end of the vessel to 30725 in, by 10b. A.M. on the 8th; and decreased to 30710 in, by the end of	
	Oftho	Earth	3 feet below the Suface.	02.30	55.91	58.64	57.35	57.75	58.01	28.03	26.98	17	esults a	ection b rvations -readir	meter, d from 1873 fo	meters, ed the meters,	ally der alues of verage t t Green	ding co	ecord cannot mpols	g; and numbers ne aggre	reading in. by ed to 3	i de
	tion	1011	Lowest on the Grass.	38.1	40.8	41.7	41.9	37.0	44.5	34.7	39.8	16	The 1	Obsei the eye	thermo deduce ending	combin thermo	mean daily v. Thea	or the a In rea - "low The v	which The r	S. Stron The r show th	to 30.12 in increased	A CHI
	Of	amon	Highest in Sun's Rays.	0 134.1	130.0	133.4	134.7	134.0	134.8	132.3	133-3	15		cloud.	dy in	with	ш 7љ.	tially rds.	with	erally		
İ	begree	Satu-	ration equals 100).	99	22	99	99	99	89	02	64	14	σά	Jo	r clou	Cloudless	cloudless till	g: fine and partiall Cloudy afterwards.	; fine	nd gen		
reen			Least.	0.1	1.6	1.5	0.0	2.0	2.8	8.0	2:3	13	MARK	nount	rtially		eloud	ine ar udy al	after	fine ar		
noe per	bew Poin	-	Great-	93.5	28.4	28.6	8.12	18.0	17.6	19.3	0.55	123	L RE	nall a	ly; pe	n day.	generally terwards.	ing: 1 1. Clo	till 91 cloud	very		
DIEEre	and Dew Point Temperature.		Mean daily	9.11	16.6	16.2	9.11	11.3	10.6	9.6	12.5	11	GENERAL REMARKS.	rith sr	generally; partially cloudy Warm.	wari	nd ger after	morn	vereas ints of	rning		
	Of the Dew		Mean daily value,	0 54:3	50.6	2.10	8.19	42.2	44.3	45.6	48.6	10	GE	fine with small amounts	d)	very fine warm it exceptions.	Very fine and M.; overcast af	Overcast in morning: fine and partially oudy till afternoon. Cloudy afterwards.	Generally overcast till 9h, A.M.; fine with triable amounts of cloud afterwards.	y in moss after		
		1	parture from Average of f0 years.	0 +	7.6 +	+ 9.1	+ 5.5	1.7 -	3.3	- 3.0	+ 2.9	6		Very Warm.	Very fine afternoon.	A very fine waslight exceptions.	Very fine and generally P.M.; overcast afterwards.	Overcast in mornin cloudy till afternoon,	Generally overcast till 9h, A.M.; fine variable amounts of cloud afterwards.	Cloudy in morning; very fine and generally cloudless afterwards.		
	£		Mean daily value.	0	67.5	67.4	63.4	53.2	6.49	55.5	61.1	00	Sun above Horizon, in hours.	16.3	16.4	16.4	16.4	16.4	16.4	16.2	Sum 114.8	539
I	Of the Air.		Daily Bange.	0 8	31.5	29.4	23.1	13.9	18.4	9.12	24.2	7	red Sur ne Ho rs. in								1	
	0		Low- est	48.3	20.0	51.5	2.19	48.3	47.3	46.4	49.1	9	Registered Sunshine in hours.	11.7	10.0	12:5	13:1	10 00	6.9	10.1	Sum 72.1	861
		-	High-	0 0.5	81.5	6.08	74.8	62.5	65.7	0.89	73.3	5		out -	out -	- nnc	out -	- -	· >	out -		
METER.	Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 30:050	30-095	30.088	30.148	30-235	30.204	30.125	30.136	4	ELECTRICITY, (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. throughout	w. P. throughout	w. P. generally	w. P. generally	w. P. throughout		27
	Phases				: :	:	:	New, Gr.	Dec. N.	;		3	ELE (For ex symbo	w.P.t	w. P. 1	w. P. 1	w. P. 1	W. P.	w.P.	W. P.		
				1	, rc	9	7	∞	 	10	-	ut		4	īĈ	9		∞	6	10		
	1899.		MONTH AND DAY	JUNE.	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. JUNE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

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# WEEKLY RETURN

#### DEATHS IN LONDON AND BIRTHS

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

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 $\Gamma$ Price  $1\frac{1}{2}d$ . WEEK ENDING SATURDAY, JUNE 17. No. 24. 1899. Vol. LX.]

> General Register Office, Somerset House, June 19th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 16.5 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

per 1000:—					_					
	1	Weeks	endin	g	١			Weeks	endin	g'
Towns.	May 27.	June 3.	June 10.	June 17.		Towns.	May 27.	June 3.	June 10.	June 17.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	12·7 14·4 15·4 12·2 16·1 13·5 13·3 15·2 11·2 12·2 11·8 11·1	15·4 16·7 19·7 17·0 16·6 8·5 14·8 21·2 11·5 13·9 15·7 17·1 17·6 15·6 17·4	16·4 18·1 15·3 17·7 17·4 14·8 14·6 14·3 13·7 11·4 17·2 13·2 15·1 17·1 14·6	$ \begin{vmatrix} 19.4 \\ 17.0 \\ 16.4 \\ 15.9 \\ 11.4 \\ 17.2 \\ 21.7 \\ 9.3 \\ 9.0 \\ 13.7 \\ 19.6 \\ 20.8 \\ 13.6 \\ 16.5 \end{vmatrix} $		Leicester Liverpool London - Manchester Newcastle-on Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverhamp	20.8 15.7 21.4 16.9 13.8 17.4 20.1 15.5 18.6 21.3 17.4 20.1 11.0	24·3 17·0 26·5 17·8 13·4 15·5 19·2 17·8 19·2 17·8 10·5 18·8 17·5 18·8 10·5	22.9 15.1 11.0 18.1 20.8 17.6 15.6 16.7 20.8 18.1 10.8	20·6 15·1 24·8 15·5

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.2 in Liverpool and 2.8 in Manchester; from scarlet fever, 1.3 in Bradford; from whooping-cough, 1.0 in Plymouth and in Salford, 1.3 in Hull, and 1.5 in Gateshead. In none of the thirtythree towns did the death-rate from "fever" or from diarrhæa reach 1.0 per 1,000. The 83 deaths from diphtheria included 35 in London, 10 in Sheffield, 6 in Leicester, 5 in Swansea, 4 in Liverpool, and 4 in Leeds. One death from small-pox was registered in Liverpool and one in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2571 BIRTHS and 1316 DEATHS were registered. Allowing for increase of population, the births were 92, and the deaths 142

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained † Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15·7, 17·0, and 15·7 in the preceding three weeks, fell again last week to 15·1. During the four weeks ending on Saturday last the death-rate averaged 15·9 per 1000, being 1·5 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1316 deaths included 64 from measles, 7 from scarlet fever, 35 from diphtheria, 35 from whooping-cough, 6 from enteric fever, 12 from diarrhee and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 159 deaths were referred to these diseases, being 54 below the corrected average

weekly number.

The deaths from measles, which had been 61, 67, and 93 in the preceding three weeks, fell again last week to 64, and were 9 below the corrected average; 9 cases belonged to Lambeth, 8 to Hackney, 7 to Greenwich, and 4 to Mile End Old Town sanitary areas. The deaths from scarlet fever, which had been 5, 4, and 5 in the preceding three weeks, were 7 last week, being 12 below the corrected average. The deaths from diphtheria, which had been 23, 24, and 28 in the preceding three weeks, further rose last week to 35, but were 4 below the corrected average; 4 cases belonged to Islington, 4 to Greenwich, and 3 to Poplar sanitary areas. The deaths from whooping-cough, which had been 34, 33, and 27 in the preceding three weeks, rose again to 35 last week, but were 8 below the corrected average; 6 cases belonged to St. Pancras, and 6 to Camberwell sanitary areas. The fatal cases of enteric fever, which had been 4, 6, and 7 in the preceding three weeks, were 6 last week, the corrected average being 8. The deaths from diarrhæa, which had been 10, 13, and 12 in the preceding three weeks, were 12 last week, and were 17 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 256, 240, and 216 in the preceding three weeks, further fell last week to 207, and were 17 below the corrected average. The deaths attributed directly to influenza numbered 13, having been 27, 24, and 18 in the preceding three weeks.

Different forms of violence caused 60 deaths, concerning all of which inquests were held. Of these 60 deaths, 9 were cases of suicide, and 1 of homicide, while the remaining 50 were attributed to accident or negligence. Four of these were referred to vehicles in the streets, 7 to drowning, 4 to burns and scalds, 3 to the effects of anæsthetics administered for surgical purposes, and 8 (of infants under one year of age), to suffocation

in bed.

### CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2280 cases of scarlet fever, 1170 of diphtheria, and 98 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of small-pox, one case, against 0, 1, and 0; of scarlet fever, 262 cases, against 229, 260, and 278; of diphtheria, 171 cases, against 143, 145, and 173; and of enteric fever, 20 cases, against 19, 21, and 17.

GREATER LONDON.

In Greater London 3686 births and 1714 deaths were registered, corresponding to annual rates of 29.4 and 13.7 per 1000 of the estimated population. In the Outer Ring 16 deaths from measles, 1 from scarlet fever, 10 from diphtheria, 7 from whooping cough, 2 from "fever," and 5 from diarrhea were registered. Ten deaths from measles, 5 from diphtheria, and 5 from whooping-cough were registered in the West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.93 inches, and that of the Thermometer  $56^{\circ}6$ ; the latter being  $2^{\circ}$ 2 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 25 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was  $68^{\circ}0$  hours; no rain was measured during the week.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Searlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

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CITIES	AND	вовотеня	Cala	COIS.	33 TOWNS.	London.	CROVDON	BRIGHTON.	PORTSMOUTH.	BRISTOI.	CARDIFF.	SWANSEA.	WOLVERHAMPFON.	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	BULTON.	MANCHESTER.	SALFORD.	BIRNIEV	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	CHEEDS.	HILL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.	
'ALL'		n Cen	ı	24.	0.00	0.00	0.00	0.00	0.00	0.00	3 1	1	0.00	+	0.03	1 6	00.0	1	0.00	1	1	1	1 1	1	1	0.00	1 0	00.0	1 1	0.00	1	1	1	
RAINFAL		.a9donI n	I	73.	00.0	0.00	1 00.0	0.00	0.00	0.00		1	0.00		0.01	1	0.00	!	0.00	3 1	1	1	1 1	1	1	0.00		0.00	1	0.0	1	1	1	
1		entigrade	co :	222	13.33	13.67	19.09	12.61	13.33	74-17	1 1	ı	14:08	,	12.00	1	12.94	1	14.56	1	1	1	1 1	ı	1	13.67	1	14.22	1	11.80	0 !	1	1	
Mean	-1	tiednerda	E	31.	26.0	9.90	1 1	54.7	26.0	1 10	010	1	57.3		53.6	1	55.3	1	1 00	1	1	ı	1 1	t	1	9.99	1	9.29	1	52.4	H 1	1	1	
=	.189	LOW	1	20.	36.5	42.1	1 00	50 8 45.0	42.0	1 06	0.60	1	29.1	1	40.0	1	36.2	1	- 47.0	) I	1	1	1	1 1	1	41.3	1	44.0	1	0.7.0	0.76	1	1	
-	,189t	Mod gr	Estito	19.	80.4	77.1	1 6	0.02	20.2	10.0	001	1	78.9	1 1	0.02	t	74:1	ı	- 80.4	H 1	1	1	1	1 1	t	0.22	1	8.44	1	7.0.0	100		1	
000, onding	Deaths.	From iseases in ols, 6–12,	D	18.	1.9	1.8	1.6	0	8.0	2.1	œ c	3.0	6.0	62	1.8	2.2	1.5	1:0	2.7	70 GY	4:1	2.6	0.3	2 0 0	ा हो संका	0.2	H	4.5	1:8	33	# 17			
per 1000, corresponding to the	Week's	from All Causes.	A	17.	16.2	151	11.8	0.6	15.0	17.6	्र. इ.८.	1.21	3.40.5	14.1	14.7	9.91	17.4	13.7	15.8	16.7	24.8	22.0	16.6	17.0	151	13.6	8.03	15.9	16.6	18.2	0.41	19.6	15.5	-
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Deaths from	_	phtheria.	Di	9,	80	35	কা	1	। इत	1	1 -	- 10	)	- °	a -	9	1	গ	pool	4	1 1				- 01	- 1	_	-	4	10	1	1	1 1	-
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Doa	19	fants und Year of Age.	ru I	4;	823	599	18	<b>ග</b> අ	10 2	9	31	2 2	2	2 2	# =	2 12	16	4	2	46	TO 10	24 0	do	14	- 00	10	10	, II	30	24	23 :	11	24 24	
during	1888	DEATHS.		ຕວໍ	3607	1316	89	57	55	34	106	93 24	5	24	281	6.4	80	28	32	251	1 <u>0</u>	92	40	47	34 44	26	30	27	135.	126	74	200	68 .	
Registered during	Itth June	BIRTHS, DRATHS.		ાં	6695	2571	216	62	 	62	205	113	00	59	540	191	141	55	29	432	109	144	7.0	51	68	27	49	106	237	229	144	106	137	
		middle of the Year 1899,*		1.	11,404,408	4,546,752	300,241	127,759	123,226	100,637	320,911	185,826	777°C01	88,821	119 966	913.851	239.384	106,401	115,162	634,212	162,221	218,902	150,772	113,081	135,154								106,552	_
	on	BOROUGHS,		Cols.	33 TOWNS -	NOUNOT	WEST HAM	CROYDON	BRIGHTON	PLYMOUTH	BRISTOL	ı	SWANSEA -	TOL	BIRMINGHAM -	1 1	NormINGHAM -		BIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	1	BURNLEY	BLACKBURN		מחשווו	RPADEORD	1	SHEFFIELD	HOLL		GATESHEAD	ı

TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-FOURTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2396	2477	2485	2803	2474	2436	2678	2482	2546	2532	2662·8	2571
	1201	1298	1296	1475	1272	1182	1397	1290	1310	1261	1365·8	1311
	1195	1179	1189	1328	1202	1254	1281	1192	1236	1271	1297·0	1260
TOTAL Deaths -  Males Females	1247	1375	18 <b>6</b> 5	1402	1581	1336	1213	1397	1248	1193	1457°9	1316
	635	721	945	769	829	690	637	745	637	629	761°4	707
	612	654	920	633	752	646	576	652	611	564	696°5	609

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twenty-fourth week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

* 1	in Ho	SPITA	LLS, in	the l	Last T	HIRT	EEN V	VEEK	3.				
	Mar. 25.	Apr.	Apr. 8.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.	May 27.	June 3.	June 10.	June 17.
TOTAL Births	2480	2600	2554	2875	2759	2693	<b>26</b> 23	2574	2598	2306	2678	2445	2571
TOTAL Deaths	2025	1922	1816	1624	1499	1478	1397	1428	1419	1366	1483	1365	1316
$ \begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{array}{c} \textbf{Under 1 year} & \textbf{-} & \textbf{-} \\ 1-5 \text{ years} & \textbf{-} & \textbf{-} \\ 5-20 & \textbf{-} & \textbf{-} & \textbf{-} \\ 20-40 & \textbf{-} & \textbf{-} & \textbf{-} \\ 40-60 & \textbf{-} & \textbf{-} & \textbf{-} \\ 60-90 & \textbf{-} & \textbf{-} & \textbf{-} \\ 80 \text{ years and upwards} \end{array} \end{cases} $	370 272 89 230 423 514 127	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever - Simple Continued Fever - Diarrhœa and Dysentery	33 4 37 90 - 4 - 11	37 4 31 57 - 9 1	29 8 34 58 - 6 -	34 6 20 54 - 14	51 7 29 47 - 3 - 7	- 45 6 26 54 - 4	36 10 21 47 7	49 2 40 39 - 8 - 9	51 9 24 39 - 6 - 12	61 5 23 34 - 4 - 10	67 4 24 33 - 6	93 5 28 27 - 7	64 7 35 35 -6
Cholera All the above Diseases -	179	146	146	133	144	145	133	147	141	137	147	173	159
Dis. of Respiratory System—Phthisis—————————————————————————————————	604 182 181 56 163 532	505 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436
TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings -  Mean of Lowest readings -	32°2 40°9 24°8	50·1 59·0 43·2	48.9 56.1 44.0	43·9 52·2 37·2	43·4 52·3 34·7	50°1 57°3 44°1	46·4 55·3 37·2	50.9 62.2 41.7	54·4 62·7 48·3	49.5 57.1 43.2	58.4 70.8 43.6	61.1 73.3 49.1	56.9 69.3 45.1
Humidity of the Air	68	77	77	80	75	76	67	<b>7</b> 5	75	78	60	64	67
Rain-fall (in inches)	0.11	0.37	0.49	1.27	0.43	0.79	0.00	0.01	0.97	0.66	0.00	0.00	0.00
Registered Sunshine (in hours)	31.3	19.5	25.3	21.9	26.5	17.8	49.7	43.0	33.9	29.3	95.9	72.1	68.0
CASES OF INFECTI		ICKNI	ess in	Hosp	ITALS	* AT T	HE EN	D OF	EACH	WEE	ĸ.		
Small-pox	2355 1200 173	2322 1165 148	2235 1126 139	2126 1068 129	$\begin{bmatrix} 3 \\ 2144 \\ 1034 \\ 125 \end{bmatrix}$	2131 997 124	2139 1040 118	2210 1065 107	2161 1066 99	2201 1111 102	2212 1134 99	22 <b>6</b> 9 1159 97	2280 1170 98

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their neteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Sreston, Esq., F.R.Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott. Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4. TWENTY-FOURTH Week of the Year 1899.

	r the years		Satur	the day,	Wei 17tl	ek er 1 Jui	ndir ne 1	1g 899.			the		Sat	In thurda	18 W	eek e	ndin une 1	g 899.	
	ges for the 10		De	aths	of I		ons	of			res for he 10		I	eath	is of the	Pers Ages	onso	f	_
SES OF DEATH	Corrected Averages 24th Week of the 1889-98*,	AGES,	τ	Jnde 30.	r	and under 40.	nder 60.	nder 80.	and and	CAUSES OF DEATH	Averages ek of the 1889-98*,	30.	-	Und 20	er	under 40.	under 60.	under 80.	and B.
	Correcte 24th M	ALL AG	0-1	1-5.	5-20,	20 and u	40 and under 60.	60 and under 80.	80 years subwards.	, /	Corrected 24th Week	ALL AGES	0-1.	1-5,	5-20.	20 and un	40 and un	and	Sc years
SES	1457:9	1316	<b>2</b> 99	173	71	171	29	0 260	52	Diseases of Circulatory }	117.2	125	1	1	9	19	35	58	6
{Vaccinated   - Unvaccinated   No Statement	0.3 0.4 0.2 73.0 18.6 0.1	- 64 7 -	14	- - 48 5 -	22	-				Croup	3*4 105*9 90*6 5*6 18*5	75 109 7 16	25 20 -	20	6 - 2	2 20 2 2 1	16 32 4	28 9 1	2
a	25·1 42·7 38·6 0·7 8·4 0·9 29·1	13 35 35 - 6 - 12	- 19 2 - - - 9	16 21 - - 1	8 - 3	1 - 2	3 - 1 - 1 - 1	6 1 - 1 - 1 - 1 - 1	2	Dentition - Quinsy, Sore Throat - Enteritis - Peritonitis - Diseases of Liver - Other Diseases of Digestive System	8.0 2.1 16.4 6.1 24.2 26.8	5 1 23 7 34 22	13 	3 -	2 2 1	3 2 3	- 1 4 18 9	1 1 12 3	
and Effects of ation	0·3 8·8	10	- 6		- - 1	2 -	-			Diseases of Lymphatic System & of Ductless Glands	1.6	2	-	_			1	1	-
as	4'1 1'3 3'2 1'8	3253	1 - 2	1	1111	5 -	1 2 1	-	1 1 1	Diseases of Urinary }	40.8	32	-	-	-	5	12	12	3
nd other Para-}	1·1 0·3	 1	-	-		1 1	-	- 1	-	Diseases of Generative System Accidents of Childbirth-	5*8 4*8	3	-		-	2	- 1		~ ~
Diseases - 3										Diseases of Locomotive }	<b>6</b> •5	1	-	1	-	-	-	-	-
on, Want of }-milk }	0.9	1 14	-	-	-	2	1 12	-	-	Diseases of Integumen-}	6.3	8	2	-	-	1	1	4	-
tic Fever, natism of Heart } tism	8·2 1·4 4·4 5·9 76·1 20·3 25·8 155·3 17·6 12·3	7 1 2 4 76 12 24 133 7 8	- - 3 -6 4 4 1	1 - 6 12 2 2	2 6 9	2		2 1 2 - 33 - 10 - 2		VIOLENT DEATHS.;  (ACCIDENT.)  By Railways	52.2	1 4 2 2 -				1 1 - 1 - 1 -	1 2 1 -		ī -
re Birth sis al Malforma-	42:7 4:6 7:0 43:1	60 7 4 45	60 7		-	-	-	25	20	plosions   By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated   causes		4 7 8 4 18	- 8 1	3 1 - 1 4	5   1   -	1   2	1 6	1	-
ons seases of Brain rvous System	38·4 7·4 32·9 80·0	38 9 24 53	1 18 5	6	1 2 - 4	4	10	1	4 1 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	0.7 9.6 0.1	1 9 -	1		1	-2	-3	3	-
of Organs of Sense -	3.3	4	1	-	1	2	-		-	OTHER CAUSES - · -	47.0	56	47	5	-	1	1	2	_

anon.
those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered
men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the
death is not certified by a registered practitioner, the case is returned under the heading "no statement."

syidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of
murder, manskughter or suicide. All such causes are classed under "accelent"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in

1.							The I	EA'I	HS re	gister	ed du	ring t	the W	eekin	nelud	е	
	Enume-			Deat	hs of			-	1	Death	s from	m					
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheris.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea.	Violence.	Inquest Cases.	The state of the s
LONDON -	4,411,710	2571	1316	299	312		64	7	35	35		6	_	12	60	124	4
WEST DISTRICTS	778,251 1,040,694 233,635 716,334 1,642,796	370 599 114 491 997	217 294 77 256 447 25	37 69 19 78 96	61 71 11 49 109		5 15 4 15 25	3 1	1 12 1 3 18	4 9 5 17 -	-	2 1 2 1		2 2 1 3 4	11 15 2 16 16	17 25 5 43 33	and the second s
WEST DISTRICTS.  St. Mary Paddington G. & W. W. HH St. John Paddington H - G.	90,996 33,510	49 7	21	4	5 5	1 1	-	,-		1	-	- 1	-	. 1	1	2 -	
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	58 13	42 7	7	15 2	-	-	_	-	2 -	-	-	-	-	2	5 1	
North Hammersmith $\uparrow H$ W. & G South Hammersmith $\uparrow H$ W. & G Fulham $Ww$ - W. & C.	44,638 59,561 113,781	33 35 80	13 16 42	6 1 7	258	1 1 1	- 2	- 2	- 1	1 -	- 1 -	1 -	-	1 -	- - 1	1 2	Section in the section of the last
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	12 19 16	$\begin{array}{c c} & 4 \\ 12 \\ 12 \end{array}$	- 3	1 5 3	1 - 1	-	1 1 1	-	. 1 1 1		-		-	1	1	Spinglishman water of the
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	1 14 18 4	6 17 4 8	- 2 2 3	4 4 - 2	1 1 1 1 0	2 1 -		-	-			1.1,1.1		3 1 1.	3 1 1	
St. James Westminster $\left. \begin{array}{l} N. \& G. \\ WHH \\ St. Anne Soho HHHHHHH - N. \end{array} \right.$	23,050 12,048	7 4	1 1	-		-	- /-	-	-	-	-	-	-	-		-	-
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611 75,449	19 10 34 9 17 45	12 5 8 5 6	3 1 4 - 1 4	2 1 2 1 6	-	2	1	1 1	-	-			1 1 1 1 1 1	3 - 1 1	3 - 1 1 - 1	
Regent's Park Paneras $HH$ - W. Tottenham-court \ - N. & W. Gray's Inn Lane $HHH$ - N. Somers Town $HH$ - N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	21 11	5 10 12 5 14 19	- 214-	2 3 3 -7 5					1 1 4			1 1 1 1 1	1 1 1 1 1	- 1 - 4	1 - 1 - 5 2	
$ \begin{array}{c c} \textbf{Upper Holloway} & - & - & \textbf{N.} \\ \hline WWWwHH. & - & \textbf{South-west} & \textbf{H} & - & \textbf{N.} \\ \hline \textbf{Islington South-east} & - & \textbf{N.} \\ \textbf{Highbury} & HH & - & - & \textbf{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	46 34	39 34 15 8	11 3	8 10 5 3		1 1 -	-	2	2 1	1 1 1 1	-		1 -	1 2 -	5 -	
Stoke Newington H - N. North Hackney - E. & N. Central Hackney w - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.& N.	33,485	18 22 25	6 7 15 18 20	14.4	1 2 3 6		111142		- 18	11111	-	1		1	- 2	1 - 2 -	

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District and that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. sig Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. River; E. East London; and K. the Kent Company.

\*See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE &c., registered in each p.DISTRICT during the Week ending Saturday, 17th June, 1899—continued.

							The	DEA	THE	egist	ered	lurin	g the	Week	inslu	de		
and the second s	Enume-			Deatl	ns of				D	eaths	fron	n					utions	of
ISTRATION SUB-DISTRICTS	rated Popu- lation. 1896,	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued.	Diarrhosa.	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes Death.
CENTRAL DISTRICTS.  orge Bloomsbury N. es South $WH$ N. es North $H$ N.	16,110 12,976 9,151	10 14 1	7 9 3	3 1 -	1 3 -		1 -	o-	-		-	1 1 1.	-	1 -	-	3 -	-42	1 1 1
rti.1-in-the-Fields HHN.&C. 1 WHH N. Union Workhouse, Edmonton	13,077 11,839 +1,037	3	5 4 1	1 -	1 1 -	-	-		ī -	1 1 1	-	1 1		-	-	-	4 2 1	1 1 5
rn wHHHHHHHH - N. mes Clerkenwell - N. ell Clerkenwell - N. ell-street - N. eross-street - N. eross-st	31,042 15,777 34,356 16,069 29,697 7,595 4,035 †892	11 11 12 10 28 1 2	14 2 5 2 12 12 1 -	5 2 1 5 1	1 1 - 2		1 1 - 1		-	11,111,11	111111	11111111			- 1 	1	5 - 4 - 2	1111111
tolph $H$ N. & E. legate N. onlehre $WH$ N. lows Barking N. Btreet $H$ N. London $Asylum$ , $Stone$	6,870 3,299 9,591 9,059 2,892 †388	3F(21-2) -	1 -	-	1	-	1	-	-	-	11111	-			1	- 1	9	
EAST DISTRICTS.  ditch South $Hl$ - E. & N. on New Town $w$ - N. on Old Town N. erston $WH$ - N. & E.	17,975 29,575 27,645 47,163	7 15 15 33	6 12 8 11	1 3 2 4	1 7 1 3	1111	1 -		1111	1111		1	1 1 1 1	- - 1	- 1	- 1 1 -	4 - 6	1111
nal Green North $H$ - E. nal Green South E. nal Green East $WHl$ - E.	49,301 34,194 45,667	29 29 25	10 10 21	3 5 3	2 - 8	1 1 1	1 1 -	-		ī	<u>-</u> -		-	- 1	- 2 1	2 4 1	11	
$egin{array}{cccccccccccccccccccccccccccccccccccc$	26,681 } 51,995 {	19 29 13	7 39 2	3 9 -	3 4 1		. 2		1 1		-		-	1	- <del>-</del> 2	1 6 1	33	
eorge's North E.		44 5	16	7 2	1 2	-	:1	-	-	1	-	-		-	3 -	5	2	-
well $H$ E. & N liff $W$ E.	14,954	6 10 23	7 2 6	4 - 5	-			-	1 -			- 1 1	-	-	- 1 1	2 1 2	4 -	
End Old Town West H E End Old Town East - E Www	( 111,000	{ 48 39	10 28		21 6	-	1	-	-	-	-	ī	-	-	1 1 " .	22 -	17	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	. 69,821	29 31 42	36	2 11 7	7		5 1			2 1		-			- 2 1	7	18	-

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-District during the Week ending Saturday, 17th June, 1899—continued.

SUB-DISTRICT during the We	ek endin	g sau	uruay,	170	пэц	ine,	109	9c	ontr	nuec	ι,						
				_			The	DEA'	THST	egiste	red di	aring	the W	eek i	nelu	de	
	Enume-			-	thsof	_				Death	s from	n					tions
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age,	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever,	Diphtheria	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoa.	Violence.	InquestCases.	Deaths in Public Institutions
SOUTH DISTRICTS.																	
Christchurch Southwark   WHL.&S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	8 9 19 18 22 13 39 28	3 6 5 8 4 3 16 5	1 2 2 2 2 1 5 1	1 1 1 1 1	111111	1 - 2 -		111111		111111	111111	1   1   1   1		1 - 1	1113-	- - - - 1
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	7 63 16	14 24 17	1 11 1	4 6 6		ī	-	2 1	3	-	-	-	1 -	1 - 2	232	10   6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	30 8 43 34 21 43 10	5 13 20 6 12 16 4	1 1 3 2 4 1 -	- 5 1 3 7 2	111111	1 2 2 1 2	1		- 2		1	111111	- 1 1 1	1	1   3   -   -   -	1 8 10 -
	71,730 93,385 46,953 58,101 20,566 61,644	49 50 30 32 10 32	15 20 9 19 4 18	7 2 8 1 4	3 5 4 6 1 4	111111		111111	3	1 1 2	11111	11111		11111	1 1	2 1 1 1 1 1 1 1 1	7   1   3
Dulwich L. & S. Camber well Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 39 41 41	2 27 17 16	1 2 3 3	10 4 2		1 2	4-1-1-	-	2 4					- 2	2 3	18
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	22 25 18 8 28	13 21 11 4 18	5 6 1 1 2	3 - 2 - 8		3 1 2 - 1	-	1 5 1 -	1.1.1.1				1	1	1	7 - 7
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	2 13 34 21	2 13 11	3	- 1 4 6	-	1 -	1	-					-	1	2	- 4
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	11 9 17 5 27	6 3 2 2 13	1 3	1 2 1 1 2				3	1111			-		1		5 1 5
Banstead Asylum Caterham Asylum Cane Hill Asylum Cane Hill Asylum	-		2 - 1 - 4 4 1 - 7 5		1 - 4 1 - 3 1		11111111111	1								-	2 1 - 1 - 4 4 1 1 7 5

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES (OSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week nding Saturday, 17th June, 1899.

								e DEA	THS	regist	ered i	n the	Weel	k incl	ude		
		Enume-			Deat	hsof	<b>!</b>			Death	s from	m					00
REGISTRATION SUB-DISTRICTS,	Area in Acres.	rated Popu- lation, 1891.	BIRTES	DEATES	Infants under 1 Year of Age.	Persons aged 60 Years & upwds,	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
DON-OUTER RING -	368,749	1,422,063	1115	398	88	124	-	16	1	10	7	2	_5	21	36	48	4
Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	11 6	8 2	.1	4 2	-	-	-	-	-	-	-	1	1	ī	-
Godstone, part of * W -	2,754	1,598	-	1					-	-		-	-	-	-	-	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	74 14	25 5	5 1	9 2	-	1 -	-	-	1	-	-	1	2	3	7 7
Wimbledon $HHH$ Kingston $WH$ Striction $H$ Esher, $part \ of^* \ HH$ Hampton $HL$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	20 28 9 6 8	5 12 2 2 8	2 1 -	3 4 1 1 6	11111	1111	1111	1 1.1 1.1	1 1 1 1 1	1111	11111	1 3 - 1	1 5 - 1	6	11111
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	13 5	3	-2	2 3	-	-	-	-	-	-	-	-	-	-	1 -
Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	14 16 14	5 4 3	- 1	- 1		-	-			-	-	1 9 1	-	-	ī
Bexley HHH Dartford WH, part of * -	12,540	30,590	<b>2</b> 5	10	1	3		-	-	2				1	1	1.	-
Sunbury $w =  \frac{1}{2}$	11,054 13,277	13,671 13,221	15 7	3 5	1	1	-	-		2	7 -	-	-	-	1	-	
Hillingdon $WHH$ Uxbridge Hayes $wH$	6,035 12,757 7,952	12,237 7,253 11,051	7 9 8	2 2 3	- 2	1	-	-		-	- 1	111	- - 1	-	1 1 1	- - 1	
Isleworth WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	9 12 20 17 23	10 3 7 4 12	1 1 2 4	4 1 2 - 2	11111	1	11111	21111	11111	1 1 1 1	- - - 1	1 2 -	2 - 1 2 -	3 - 1 - 1	11111
Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	12 1 58 17	4 2 24 4	2 12 2	2 1 3 1	1111	-	1 1 1 1	- 1 -	1 1 1 1		1111	1	1 2 -	1 1 1 1	1111
South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	6 8 18	2 5 7		1 3 3	-		-	-	1 1 1	-	-	1 1 1		2	-
Hornsey $HH$ Cottenham $HH$ Edmonton $Www$ Enfield $WWHH$ Waltham Abbey Cheshunt $H$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	39 84 24 19 6 4	11 30 10 10 -	1.188518	4 8 4 4 -	-	1 - 3	1 -	-		1	1 2	- 1 -	1 -	- 2	-
Hatfield, part of * W	3,306	582	-	-	-		-	-	-	-	-	-		-	-	-	-
Bushey H Watford WH, part of* -	9,331	7,737 —	1 -	3 -	-	2 -	-	-	-	-	-	-	-	-	-	-	-
Stratford H	3,266 4,334 6,501 11,779	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	51 71 56 38 52 45 68 13	9 22 17 13 21 30 9	3 10 2 2 7 7 2 -	1 3 3 4 2 11 3 1	111111111	1 2 7		1 2 -	1 2 2	1	11111111	1 - 1	1 2 2	1 4 2 - 12 1	111
Romford, part of * WH - Ilford Barking Town, H Middlesex County Asylum, Wandsworth.	6,556 8,493 - 3,814 	4,324 10,913 14,301	5 16 13	3 4 2 3	1 -	1 1 1	1 1 1 1	-	1 1 1 1	1 1 2 1	-	-	1 1 1 1	1111	1 1 1	2 - 3	

sparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring ollows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham rley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst trict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in Lsub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping (79): 189: 1, the parish of Pagenham in Romford sub-district; and deaths in Workhouse and Magnitude for

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 17th June, 1899.

										_	_			-		
i				ANNUTA	L RATE			The DE	ATH	s regi	stered	in th	e We	ek inc	lude	
ı		Area	Population estimated	of MOR	TALITY living.	DEATHS	Dead	ths of	1			Death	s from	n		
	GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria,	Whooping-	Fever.	Diarrhosa.	Violence.
ı	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
ı	GREATER LONDON	443,421	6,528,434	13.7	1.6	1714	387	436	-	80	8	45	42	8	17	81
	INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	15°1 10°5	1.8 1.1	1316 398	299 88	312 124	-	64 16	7	35 10	35 7	6 2	12 5	60 21

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

			and 1	n certain	FOREIGN	CITIES.						
						4277747	DEA	ATHS	FROM	PRII	ES.	L ZYM
CITIES	POPULATION (enumerated	DATE OF RETU		BIRTHS.	DEATHS.	ANNUAL DEATH- RATE	pox.	leg.	let or.	ıeria.	oing-	er.
OHE	or estimated).	Week end	ling	Exclusive	of Stillborn	per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
EDINBURGH -	298,927	June	17	170	98	17:1	_	1	3	1	, 1	1
GLASGOW	733,903	***	17	505	249	17:6	1	10	5	-2	6	3
DUBLIN	349,594	17	17	217	144	21.5	-	1	1	-	4	1
	466,460	May	6		359	40.0		440.				1421
CALCUITA	821,764		23	120	866	54.8	11	34	?	. 9	1 5	271
BOMBAY	452,518	59	5	373	274	31.4	- 1	4	9	9.	?	51
HADIAS	1	27.			1013	20.9		40	7	13*	7	14
PARIS	2,511,629	June	10 10	1029 258	171	15·1		4		4*		3
BRUSSELS	551,011	**						-				ŭ
AMSTERDAM -	512,758	» ···	3	274	144	14.6	- 1			3	2 2	-
ROTTERDAM -	311,301	99	3	233	90	14.9	-	_	1		- 4	_
THE HAGUE -	196,325	11	3,	124	59	15.4	-	~		-	-	
COPENHAGEN -	345,000	"	10	227	122	18.4	-	2	1	2	1	1
STOCKHOLM -	283,550	22	3	161	121	22.2	-	5		8*	940	-
CHRISTIANIA -	203,337	99	10	152	81	19.1	-	-	-		-	-
ST. PETERSBURG	1,132,677	12-	3	658	526	24.2	5	15	10	. 13	2	24
Moscow	988,610	99	3	-	534	28.2	7	7	8	13	-	4
BERLIN	1,805,054	May	27	902	601	17.2		12	15	7	13	1
HAMBURG	675,351	June	10	-	262	20.2	_	_	_	2*	4	2
DRESDEN	389,300	May	20	287	150	19.9	-	-	-	2*	2	-
BRESLAU	406,012	June	10	-	180	23.1	-	-	3	1	1	-
MUNICH	445,000	57	3	328	233	27.2	-	-	1	-	4	-
VIENNA	1,606,629	1	10	870	655	21.0	-	18	6	8*	3	1
PRAGUE	380,497	29	10	196	189	25.6	-	5	1	1	1	2
BUDA-PESTH -	666,722	- 91	. 3	500	271	21.1	-	6	- 5	3	1	4
TRIESTE	165,913	May	27	109	97	30.3	-	-	9	1*	.1	
ROME	500,610	12	20	225	140	14.6	-	-	_	1000	2	2
TURIN (10 days)	344,203	April	20		206	21.8	-	1	1	2	. 6	-
VENICE	169,883	May	27	87	75	23.0	-	2	-	-	1 -	1
CAIRO	570,062	April	15	-	-	_	_	_		_	_	-
ALEXANDRIA -	319,766	n n	15	1	- '	-	3		-	_	-	-
NEW YORK		- "		-								
(including	3,550,053	May	27	1162	1151	16.9	3	16	17	31	1	4
BROOKLYN) PHILADELPHIA	1,266,832		27	-	384	15'8	-	-	1	18	2	14
		1 "										
								-		1		_

\* Including deaths from croup.
† Including 61 deaths from plague in Calcutta and 174 in Bombay.

		AC								9	- 1	70367									-
	Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	ses:	bulb bulb	years r the	The The mean	ables.	and leter,	rate;	nent,	and	
in a Gauge	whose	surraceis 5 inches above the Ground.	in. 00.0	0.00	0.00	0.00	0.00	0.00	0.00	Sum 0.00	25	ol of the	he mea	wenty 1868 for	moment minin nmn 8).	trical Trobserva	higher, nermom	Electrometer m. moderate	Instru	decre	
		Departure from Average of 16 Years.	Miles. -118	-126	4 75	- 26	- 72	#1 -	-103	Sum - 443	24	ean leve	P.M. 7	arion on graph the transfer of	um and air (col) uced fro	ygrome nof the rizonta earsenc	icates" of the th	istering E weak; m.	nshine	the 13th	
;	Kobinson's.	Horizontal Movement to of the Air on each Day.	Miles.	127	327	224	176	171	140	Sum 1301	23	nidnight. ve the m	o sea leve f., and 9h mometer,	ade duri years e	of the maximum and minimum operating of the maximum and minimum persture of the air (column 8). The midity are deduced from the mean	isber's H. discussio hat of hc r the 16 y	nat + ind dexerror	elf-regist	Stokes Su	vue beg	
1	91	Mean of 24 hourly obs.	1bg. 0.0	0.0	7.0	0.1	0.0	0.0	0.0	:	22	ht to r et abo	3h. P.1	rds m went	of the of the peratu	oy Gla rom a and t	ind th	on's s	pbell-	in. by	
	Pressure on the Square Foot.	Least. h	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig 159 fe	to red	value c reco the t	ings ings of tem	rivedf g 1890	e in n tedfor	N. ne	e Cam	1 to 28	
	Pressu	Great-	1bs. 0.8	1.5	3.2	? <u>.</u>	0.2	8.0	0.1	:	30	rom n	A.M.;	daniy graphi uring	san re s read raine d	hatder endin	orrect	from T	om th	sed iresed teresed	i con
Osler's.	rection.	P.M. 6	ENE, & E.	N. & NNE.	NNE. &	NE.NNE.	N. ESE.	NNE.NE.	ESE.	ESE.	16	ivil day, or i	taken at 9h. arometer, th	f the photo eter, and	With the corrected mean reading of the dry bulb thermomeer is corrected mean of the readings of the maximum and minimum corring the mean daily value of temperature of the air (column 8). The point temperature and degree of humidity are deduced from the mean	wet bulb the of the air ist the 50 years of the anem	24 it will be e. n 17 arenote	od. 7 is derived e:—P. posit	3, derived fra of bright	e 12th; increased the 14th; in	70 70 70
	General Direction.	A.M.	E, NE. &	E. & NE.	NNE.	NE, NNE.	NE.NNE.	Calm &	ESE. E.	NE. &	18	The results apply to the civil day, or from midnight to midnight. The height of the cistem of the barometer is 158 feet above the mean level of the sea	to correction has been applied to the readings to reduce to sea leavel.  Observations are usually taken at 9h.A.M.; noon; 3h.P.M., and 9h.P.M. The means of the eye-readings of the barometer, the dry builb thermometer, and the wet builb	defined from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1873 for the barometer, and during the twenty years ending 1867 for the	instructureers, with the corrected mean reading of the dry bulb thermometer as combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean	daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. The averagetemperature of the all is shade in the observations made at Greenwich during the 50 years ending 1880, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	The reading columns a and 24 it will be borne in mind that + indicates", higher, and -"Longer," than the average.  The valuesgiven in column 17 are not corrected for the index error of the thermometer,	when cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The symbols employed are:—P. positive: N. negative; w. weak; m. moderate;	strong; and v. variable.  In numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	the Feature of the Barometer decreased thou 30 mill at the beginning to the weak to 2895 in. by Sh. p.K. on the 13th; increased to 2995 in. by noon on the 13th; decreased to 2998 in. by Tho. p.K. on the 14th; increased to 2995 in. by M. A.K. on the 15th; and the 15th; increased to 2998 in. by The R. A.K. on the 15th; and the 15th; and the 15th; the 2988 in. by 10th A.K. on the 15th; and	tt int by the
	Of the Earth	3 feet below the Swface.	58.04	58.21	58.31	58-20	58.35	58-28	28.20	28.57	17	esults ar	ection havations	from a 1873 for	combined the thermometers, free mean daily dew	werage te verage te t Greenv ir from g	er," than aluesgiv	sannot b ecord of mbols e	g; and v numbers ne aggre	in, by 64 in. by 4	sea no ra
-	tion	Lowest on the Grass.	32.6	34.8	38.3	5.65	59.6	31.0	36.6	33.3	16	The r The b	obser Obser the eye	deduced	combin thermo mean d	daily variable and the a	- "low The v	The r	S. stron The n	to 29'87 to 29'89	deci ca
	Radiation	Highest in Sun's Rays.	132-2	130.1	134.4	123.7	136.1	137.8	140.8	133.6	15		fine and cold day.	tially ds.	loudy	fine	slight	day.	morning; very fine cloud afterwards.		
begree .	midity (Satu-	equals 100).	98	99	64	27	62	99	55	19	14	υž	<b>₽</b> 4	id par erwar	ally c	afternoon;	very	fine fine	; ver erwar		
		Least.	0.4	1.0	6.0	2.4	1.2	0.5	0.0	1.6	13	MARK	; very	fine an	gener		with t night	a very	morning; very f		
the Air Temperature and Dew Point	peratur	Great.	0 12.4	18.5	18.6	18.4	24.1	25.0	29-2	20.9	12	L RE	afternoon;	ning;	A.M.;	cloudy till A cold day.	cloudless with very unar halo at night.	ess:			
the Air	Ten	Mean daily value.	3-5	9.11	6.11	8:0	12.9	11.5	18:1	11:1	11	GENERAL REMARKS	till aft	Cloudless in morning; fine and partially oudy till 6h. P.M.; cloudless afterwards.	till öh, A.M.; generally eloudy Cold.	cloud A cold	fine; cloudless with vons. Lunar halo at night.	cloudless; night.	Cold and foggy in with small amounts of		
Of the	point.	Mean daily value.	49.4	4.64	41.9	41.0	44.2	47.9	44.9	45.5	10	GE	east t Ily clo	lless in till 6h		rally ards,	fine;	Generally cloud Slight fog at night.	and mall a		
	1	De- parture from Average of of	1 2.8	+ 2.4	0.9 -	F.6 -	- 1.9	+ 0.4	+ 3.6	- 2.5	6		Overcast till afternoon; ver generally cloudless afterwards.	Cloudless in morning; fine and partia cloudy till 6h. P.M.; cloudless afterwards.	Very fine afterwards.	Generally afterwards.	Very fine	Gene	Cold with S		
	. I	Mean daily value.	52.6	0.19	53.8	49.5	57.1	59.4	63.0	9.90	0	Sun above Horizon, in hours.	16.5	16.5	16.2	16.2	16.5	16.6	9.91	Sum 115-7	29
OfthoAir	or rue w	Daily Range.	0 17.9	28.3	14.2	18.8	29.5	31.1	29.3	24-2	7	ared Su ine H irs. in				9	4	G.	<u>م</u>		28
		Low- est	45.2	47.5	46.9	42.1	42.2	44.0	47.8	45.1	9	Registered Sunshine in hours.	2.9	10.1	5.0	4.6	14.4	14.9	11.9	0.89	6
		High-	63.1	75.8	61.1	6.09	72.0	75.1	77.1	69.3	5	r, 1 of te.)	out -	out -	P.M.;	noon; after-	ly -	ly -	ly -		
Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 30.083	29-943	29.936	29.913	29.944	29.889	59.859	29.934	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. till 9h. P.M.; m. P. afterwards.	P. till merally	w. P. generally	w. P. generally	w. P. generally		27
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
BY DARLING & SON, LTD., 1-3, GREAT ST. THOMAS APOSTLE, EQ.

1899.

## OFFICIAL COPY.

# WEEKLY RETURN

#### LONDON DEATHS IN AND BIRTHS

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

WEEK ENDING SATURDAY, JUNE 24. Price  $1 \frac{1}{2} d$ . No. 25, 1899, Vol. LX.]

> General Register Office, Somerset House, June 26th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 16.3 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	endin	g	1				Weeks	endin	g
Towns.	June 3.	June 10.	June 17.	June 24.		Towns.		June 3.	June 10.	June 17.	June 24.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	15·4 16·7 19·7 17·0 16·6 8·5 14·8 21·2 11·5 13·9 15·7 17·1 17·6 15·6	18·1 15·3 17·7 17·4 14·8 14·6 14·3 13·7 11·4 17·2 13·2 15·1 17·1	15·8 19·4 17·0 16·4 15·9 11·4 17·2 21·7 9·3 9·0 13·7 19·6 20·8 13·6 16·5	13·8 14·8 15·7 15·3 14·3 15·7 8·2 13·2 17·6 13·9 16·1 14·0		Leicester - Liverpool - London Manchester - Newcastle-on-T Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea - West Ham - Wolverhampton	-	24·3 17·0 26·5 17·8 13·4 15·5 22·1 19·2 17·8 20·5 18·8 10·2	22.9 15.1 11.0 18.1 20.8 17.6 15.6 17.8 16.7 20.8 16.7 20.8 18.1 10.8	20.6 15.1 24.8 15.5 14.7 17.4 16.6 15.0 15.1 0 22.0 18.2 17.1 8 11.8	21.9 15.5 21.0 18.3 18.9 16.8 18.0 19.7

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1.0 in Salford, 1.2 in Croydon, 1.3 in Liverpool, and 2·1 in Manchester; from whooping-cough, 1·4 in Burnley, 1·5 in Blackburn and in Gateshead, and 2.2 in Cardiff; from "fever," 1.0 in Huddersfield; and from diarrhæa, 1.0 in Bristol and 1.1 in Sunderland. In none of the thirty-three towns did the death-rate from scarlet fever reach 1.0 per 1,000. The 80 deaths from diphtheria included 28 in London, 13 in Sheffield, 7 in Leeds, 5 in Leicester, 4 in West Ham, 4 in Liverpool, 3 in Swansea, and 3 in Birmingham. One death from small-pox was registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2422 BIRTHS and 1355 DEATHS were registered. for increase of population, the births were 176, and the deaths 111,

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained in the last intercensal period had since been maintained in the Londones in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum stuated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths Metropolitan Asylums Board Hospitals within Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 17·0, 15·7, and 15·1 in the preceding three weeks, rose again last week to 15·5. During the four weeks ending on Saturday last the death-rate averaged 15·8 per 1000, being 1·3 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1355 deaths included 65 from measles, 4 from scarlet fever, 28 from diphtheria, 35 from whooping-cough, 6 from enteric fever, 9 from diarrhoa and dysentery, 1 from choleraic diarrhoa, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 148 deaths were referred to these diseases, being 76 below the corrected average

weekly number.

The deaths from measles, which had been 67, 93, and 64 in the preceding three weeks, were 65 last week, the corrected average being 68; 7 cases belonged to Islington, 7 to Poplar, 6 to Lambeth, 6 to Greenwich, 5 to Hackney, and 5 to Limehouse sanitary areas. The deaths from scarlet fever, which had been 4, 5, and 7 in the preceding three weeks, fell again last week to 4, and were 14 below the corrected average. The deaths from diphtheria, which had been 24, 28, and 35 in the preceding three weeks, fell again last week to 28, and were 9 below the corrected average; 3 cases belonged to Hackney, 3 to Camberwell, and 3 to Greenwich sanitary areas. The deaths from whooping-cough, which had been 33, 27, and 35 in the preceding three weeks, were again 35 last week, the corrected average being 40; 6 cases belonged to Poplar sanitary area. The fatal cases of enteric fever, which had been 6, 7, and 6 in the preceding three weeks, were again 6 last week, the corrected average being 8. The deaths from diarrhæa, which had been 13, 12, and 12 in the preceding three weeks, fell to 9 last week, the corrected average being 50. The deaths referred to diseases of the respiratory organs, which had been 240, 216, and 207 in the preceding three weeks, further fell last week to 190, and were 18 below the corrected average. The deaths attributed directly to influenza numbered 12, having been 24, 18, and 13 in the preceding three weeks.

Different forms of violence caused 86 deaths, concerning all but 4 of which inquests were held. Of these 86 deaths, 10 were cases of suicide, and 3 of homicide, while the remaining 73 were attributed to accident or negligence. Twelve of these were referred to vehicles in the streets, 12 to drowning, 1 to the effects of nitrous oxide administered for surgical purposes,

and 11 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 2367 cases of scarlet fever, 1230 of diphtheria, and 109 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 335 cases, against 260, 278, and 262; of diphtheria, 204 cases, against 145, 173, and 171; and of enteric fever, 26 cases, against 21, 17, and 20.

GREATER LONDON.

In Greater London 3457 births and 1786 deaths were registered, corresponding to annual rates of 27.6 and 14.3 per 1000 of the estimated population. In the Outer Ring 22 deaths from measles, 3 from scarlet fever, 13 from diphtheria, 10 from whooping-cough, 3 from "fever," and 9 from diarrhoea were registered. Seven deaths from measles, 6 from diphtheria, and 2 from "fever" occurred in West Ham district; 7 deaths from measles and 5 from diphtherta occurred in Edmonton district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.55 inches, and that of the Thermometer 60°.7; the latter being 0°.4 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 18 per cent, below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 26.2 hours; the measured rainfall amounted to 0.51 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox, Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

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EMPER		Highest	Fahrenheit	19.	78.8	0.01	1	0.42	78:0		0.12	1	1	8.82	1	ı	1	8.22	1	1	1.72	1 1	1	1	ı	1 1	es E	071	9.22	1	ı	74.0	1	1	1	١
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during	ending 1899.	DEATHS.		జాపే	3558	1355	80	07.	27	70 .	000	56	30	500	166	41	90	77	27	06	266	43	219	52	31	46.	n (	21 5	202	129	133	63	43	36	80	
Registere	the Week ending 24th June 1899.	BIRTHS.		ાં	6438	9492	163	90	51	70	00	110	10	47	328	09	133	148	62	59	390	19	172	80	26	833	70	9	115	235	204	162	95	11	124	
	POPULATION			1.	11,404,408	4,546,752	300,241	127,759	123,226	150,741	320,911	185,826	103,722	88.821	514.956	113,266	213,851	289,384	106,401	115,162	634,212	162,221	543,902	150,772	113,081	135,154	117,622	103,464	127,721	493 889			, and the latest		228,625	
	CITTES	. SI		Cois.	33 TOWNS	LONDON	WEST HAM	CROYDON		Į	PLYMOUTH	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH	LEICESTER	NOTTINGHAM -	DERBY	BIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	OLDHAM	BURNLEY	BLACKBURN-	PRESTON -	HUDDERSFIELD -	HALIFAX	T.EEDS	ELD -	ı	RLAND	GATESHEAD	NEWCASTLE	
					_	-	-	-		-	_	-							-		-															

TABLE 2. LONDON .- Births and Deaths Registered in the TWENTY-FIFTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.**	1899
TOTAL Births  Males Females -	2636 1353 1283	2516 1295 1221	2389 1228 1161	2654 1319 1335	2520 1291 1229	2334 1167 1167	2639 1369 1270	2511 1281 1230	2110 1083 1027	2385 1247 1138	2598·1 1329·1 1269·0	2422 1223 1199
TOTAL <b>Deaths</b> -  Males -  Females -	1243 659 584	1387 718 669	1538 827 711	1415 733 632	1866 1015 851	1330 684 646	1276 638 638	1371 694 677	1246 624 622	1257 654 603	1465 <sup>-</sup> 5 762 <sup>-</sup> 4 703 <sup>-</sup> 1	1355 739 616

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twenty-fifth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

• :	in Ho	SPITA	LS, in	the L	ast T	HIRTI	EEN W	EEKS	•				
	Apr.	Apr. 8.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.	Мау 13.	May 20.	May 27.	June 3.	June 10.	June 17.	June 24.
TOTAL Births	2609	2554	2875	2759	2693	<b>2</b> 623	2574	2598	2306	2678	2445	2571	2422
TOTAL Deaths	1922	1816	1624	1499	1478	1397	1428	1419	1366	1483	1365	1316	1355
$ \begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{array}{c} \textbf{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20 & \text{years} \\ 20-40 & \text{years} \\ 40-60 & \text{years} \\ 60-90 & \text{years} \\ 80 \text{ years} \\ \text{and upwards} \\ \end{array} \end{cases} $	377 224 90 212 380 494 145	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever Diarrhœa and Dysentery Cholera	37 4 31 57 - 9 1 7	29 8 34 58 - 6 - 11	34 6 20 54 - 14 - 4	51 7 29 47 - 3 - 7	45 6 26 54 - 4	36 10 21 47 7 12	49 22 40 39 - 8	51 9 24 39 6 12	61 5 23 34 - 4 - 10	67 4 24 33 - 6	1 93 5 28 27 - 7 12	64 7 35 35 6 12	- 65 4 28 35 - 6 - 9
All the above Diseases	146	146	133	144	145	133	147	141	137	147	173	159	148
Dis. of Respiratory System—Phthisis—————————————————————————————————	5051 139 195 63 155 503	470 174 152 89 189 534	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 -66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460
TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings -  Mean of Lowest readings -	50.1 59.0 43.2	48·9 56·1 44·0	43·9 52·2 37·2	43·4 52·3 34·7	50·1 57·3 44·1	46·4 55·3 37·2	50°9 62°2 41°7	54·4 62·7 48·3	49.5 57.1 43.2	58·4 70:8 43·6	61.1 73.3 49.1	56.3 69.3 45.1	60.7 69.7 53.7
Humidity of the Air	77	77	80	75	76	67	<b>7</b> 5	75	78	60	64	67	73
Rain-fall (in inches)	0.37	0.49	1.27	0.43	0.79	0.00	0.03	0.97	0.66	0.00	0.00	0.00	0.21
Registered Sunshine (in hours)	19.5	25.3	21.9	26.5	17.8	49.7	43.0	33.9	29.3	95.9	72.1	68.0	26.3
CASES OF INFECT	ious s	SICKN				* AT T	HE EI	ND OF	EACH	WEE	K,	7	
Small-pox	2322 1165 148	1 2235 1126 139	2126 1068 129	3 2144 1034 125	2131 997 124	2139 1040 118	2210 1065 107	2161 1066 99	2201 1111 102	2212 1134 99	2269 1159 97	2280 1170 93	2367 1230 109

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their noteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F. R. Met. Soc., Norwich; John Merrifield, Esq., LLD., Plymouth; R. O. Cann Lippincott. Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. O. E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. O. E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4.

Vaccinated   91	BHE 4. HONDO			r	'WE	ENI	Y-I	TF	тн	We	eel	k of the Year 1899.					_				_,
SEE OF DEATH		the	8	In t	the Y	Weel 24th	k end June	ling	9.	١			years	S	In atur	the day,	Wee 24tl	ek en 1 Ju	ding ne 189	99.	
Section   1487				Dea	ths	of P	ersor ges	18 01							De	aths t	of I	erso ges	nsoi		
Section   1985   1885	ISES OF DEATH	Average of t 1889-98*		Ū	nder 20.	.	er 40.	or 60.	or 50.	pug		CAUSES OF DEATH	Average of t	o l	υ			ler 40.	ler 60.	ler 80.	and.
Vaccinated		Weel	ALL AGES.	0-1	1-6.	5-20.	30 and unde	40 and unde	60 and unde	years			Corrected 25th Weel		0-1,	1-5,	5-20.	20 and und	40 and und	60 and und	8c years upwards
Vaccinational   098   63   16   16   3   -   -   -   -   -   -   -   -   -	USES		1355	272	199	91	215	279	254	45	l		122.6	116	-	1	6	25 —-	34	45	5
Imprever	- I Unvaccinated	0.8 0.8 68.1		- 16				-		1 1 1 1		Bronchitis	92·3 87·5 5·8	112 5	24	20	6	21	1	10	2
Diseases of Lymphatic   System & of Ductless   System & of Ductles	efined Fever - ! c Fever a and Chol. Diarr.	36.8 0.7 7.9 1.4 50.0	35 28 - 6 1	1 - - 1	18	2 -	-	1 -		1111111		Quinsy, Sore Throat Enteritis Peritonitis Diseases of Liver - Other Diseases of )	1.5 16.7 7.7 23.8	1 22 3 22	11 -	3 -	2 1 -	1	13	-6	2
Marketions	tent Fever	0.2			-		-			-		System & of Ductless	2.2	1	-	_	-			1	-
Diseases of Generative   System   5.7   6   - 1   - 4   1   - 5   - 1   3   1   - 1   - 5   - 1   3   1   - 1   - 5   - 5   - 1   3   1   - 1   - 5	eal Affections	4.8 1.5 4.5	1		-	-	- 2			1.			41.9	50	-	-	-	9	16	21	4
Diseases of Locomotive   Ref   Zymotic Diseases			-	-	-	-	-	-	-		System }			-	-		3		1 -	-	
Disam -   10.5   24   -   -   9   12   3   -	s and other Para-	0.2	-	_	-	-	-	-	-	-			6.6	3	1	_	1	-	-	]	-
12	ation, Want of ast-milk	1 .	24	-	-	-	9	12	3	-			6:2	8	]	1	_	1	1	4	
ature Birth - 461 50 50 By Suffocation in Bed By Poisons or Poisonous Vapours - Other or not stated causes 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	matic Fever, tumatism of Heart } ts	1'4 2'8 5'6 72'6 21'1 26'3 149'4 19'5	3 72 15 28 153 23	1777	1 1	2 - 3 4 1 9 8 13 8 5	77 177 4	34 1 42 2	28	3		(ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks. (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Sealds, Explosions -	49.6	12 - 1 - 9		8	- 1	1 -		-	1 -
Septy		3.8 7.4	9		3 -	1		-	-   -	-   -		By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated		11 2	-	1 -	-	1	-	-	1 -
ses of Organs of 2.4 2 1 1 OTHER CAUSES 489 38 34 2 1 1 -	lexy psy ulsions C Diseases of Brain	7.0 41.8	36	3	1 -	2 -	- 1		3	$\begin{bmatrix} 2 \\ - \end{bmatrix}$		ACCIDENTAL).  Homicide	1.6	10					- Leave		2 -
	ses of Organs of cial Sense -	2.4	2	-	-	- ]							48.9	38	3	4 2	-	-	]		1 -

the numbers in this column are the average weekly deaths for the ten years 1880-98, raised by 5°213 per cent. for increase pulation.

In those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered cal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of lent, murder, manslaughter or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS. SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE. &c., registered in e

SUB-DISTRICT during the We	ek endin	g Bau	ll	ZI	пос	ше,					, .				_		
<b>V</b> 1				-			The	DEAT				r ng (	the W	eek 11	aclud	e	66
	Enume-			-	theof			1		Death	s fro	m	1 .		_		ution
REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS,	Total DEATHS,	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox,	Measles.	Scarlet Fever	Diphtheria,	Whooping-ccugh.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever,	Diarrhoss.	Violence,	Inquest Cases.	Deathsin Publicantitutions
rondon -	4,411,710	2422	1355	272	299	_	65	4	28	35		6		9	86	162	460
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE!	778,251 1,040,694 233,635 716,334 1,642,796	330 521 117 523 931	233 299 87 271 434 31	46 50 14 55 107	57 70 12 59 95	-	18 2 20 23	2 - 2 -	38223	4 9 2 10 10	11311	- 1 1 4	1 1 1 1 1 1	4 1 - 2 2 -	8 19 8 25 26	20 40 17 48 37	86 91 46 102 104
REGISTRATION LONDON* )											_				-		
	90,996 33,510	48	17 5	3 -	9	-	-	-	-		-	-	-		3	4 2	4 3
Kensington Town $Ww - W$ .  Brompton $HH - W$	122,164 48,301	55 7	55 12	12	15 3	-	-	-		1	-	· _	-	2 -	-	4	25 5
North Hammersmith $H$ W. & G South Hammersmith $H$ W. & C.	44,638 59,561 113,781	24 23 69	9 16 42	1 2 17	$\begin{bmatrix} 1\\2\\4 \end{bmatrix}$	-	-	- 2	1 1 91	- 2		4 -	-	- 1	1 -	2	- 4 13
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HE - C.	21,450 42,057 33,139	8 19 13	21 9	1 3 3	2 8 4	1 -			1-1-1	1		-		1 1 1		1 2	13
May Fair $W$ G. Belgrave $WHHH$ C. St. Jonn Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	1 22 15 5	4 14 9 8	1 1 -	1 4 - 1	- 7 -	2	1111	- - 1	1111	+	-	-	ī -	1 -	1 25 27 -	218 1 15
$\left. egin{array}{ll} \mathbf{St. James Westminster} \\ \mathbf{WHH} \\ \mathbf{St. Anne Soho} & \mathbf{HHHHHH} - \mathbf{N}. \end{array} \right.$	23,050 12,048	13 4	7 1	1 1	3 -	-	-	1 3	-		-		-	-	7 - 2	-	4
NORTH DISTRICTS.  All Souls Marylebone H - W. HHHHHHHHHH W. G. & W. St. Mary Marylebone G. & W. St. Mary Marylebone G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	8 3 29 15 15	16 10 6 7 6	3 2 1 1	5 1 2 2	11111	2	11111	11111	1 1 1 1	7 - 1 - 1 - 1	1 1 1 1		1 1 1 1	2 1 - 1	3 1 3 1 1	6 2 - 1
Hampstead WwHHHH	75,449	. 29	21	1	5	-	- 1	-	3	1	-	- 1	. ~		.1	2	9
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 -26,757 29,426 32,161 16,669 98,410	18 9 16 25 12 50	6 16 20 10 6 16	1 2 - 2 2	2 2 2 3 7	1 1 1 1 1	1 1 -	1 1 1 1 1 1	- 1 - - -	1 1 1 1		1 1 1 1	1 1 1 1 1	1 1 1 1 1 1	1 1 4 1 -	3 2 4 2 - 2	11 11 3 4 7
$ \begin{array}{c} \text{Upper Holloway} \\ WWWwHH \\ \text{Islington South-west} & \text{H} & \text{-N.} \\ \text{Islington South-east} & \text{-N.} \\ \text{Highbury} & HH & \text{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	49 61 27 33	41 30 9 14	8 10 2 4	10 9 1	1 1 1 1	2 2 3	1 1 1 1	1 1 1 1	1	1111			1 1 1	1 4 -	2 5 1	19
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$\left\{\begin{array}{c} 14\\ 16\\ 30\\ 35\\ 27 \end{array}\right.$	9 6 12 16 22	2 1 4 4 1	1 2 1 3 8	1111	1 1 4 -		3 1	1 - 1 -	11111	1111		1	1 -	3 1 3	- 4 3 11

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G signi Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. Niver; E. East London; and K. the Kent Company.

\* See note † on first cage of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES STARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEA, VIOLENCE &c., registered in each SUB-DISTRICT during the Week ending Saturday, 24th June, 1899—continued.

SUB-DISTRICT during the We	ek endin	g Sati	iraay	, 24t	h Ju	ine,	1899	)c	onti	inue	d.							
							Th	e DE.	ATHS	regis	tered	durin	ngthe	Wee	kinel	ude	1	
	Enume-			I	ths of		,	,		Deat	hs fro	m	,	4			tution	s of
EGISTRATION SUB-DISTRICTS	Popu- lation 1896.	Total BIRTHS,	Total DEATHS	Infantsunder l Year of Age,	Personsaged 60 Years and upwards.	Smail-pox,	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued	Diarrhosa,	Violence	LuquestCares	Deaths in Public Institution	Uncertified Causes
CENTRAL DISTRICTS.																		
eorge Bloomsbury N. iles South $WH$ N. iles North $H$ N.	16,110 12,976 9,151	4 8 6	3 5 1	1 2 -	1 -	1 1 1	1 1	1 1 1				1 1 1		1 1 1	111	111	3	
arti.i-in-the-Fields HHN.&C. nd WHH N. nd Union Workhouse, Edmonton	13,077 11,839 +1,037	<i>]</i> =	10 10	ī -	1 1 -	- <u>-                                  </u>	1 7 1	-						1 1 1	1	1 -	7 7 1	
orn wHHHHHHHH - N. ames Clerkenwell - N. vell Clerkenwell - N. vell-street Nroad HHHL N. bury N. bury - N. orn Union Workhouse, tcham - }	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	20 12 18 10 22 3 -	18 3 8 4 5 4 -	3 2 1 2 2	1 2 1 -		1 - 1	THEFT	1	1 1	111111	1	-	1111111	1 - 2	2 - 4 1 1 2 - 1	12 - 2 - 1	
otolph $H$ N.& E. plegate N. epulchre $WH$ N. allows Barking N. d. Otreet $H$ N. of London Asylum, $Slone$	6,870 3,299 9,591 9,059 2,892 †388	7 5 2 -	15 2 -	11111	3 -	-			1			-	1 - 1 - 1		3 1 -	- 4 1	13	11111
EAST DISTRICTS.  Reditch South $Hl$ - E. & N. ton New Town $w$ - N. ton Old Town N. gerston $WH$ N. & E.	17,975 29,575 27,645 47,163	9 19 16 31	3 17 7 17	- - 3 4	1824	-	- 1		1 1	1 -		1 1 1			- 21 - 3	1512	- 8 - 14	. 1111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	49,301 34,194 45,667	31 23 24	17 4 20	7 1 4	$\frac{2}{4}$	1 1 1	1	1 1 1		-	-		7 -	- 1	1 2	1 - 2	1 11	
alfields E. & N. End New Town* $WH$ - E. lman's Fields* E.	26,681 } 51,995 {	32 26 17	33 - 2	2 7 <b>1</b>	3 -		- 2 1		1	1	3 1 1	-	-		8 -	9	28	
eorge's North E. ohn, St. George East W E.	39,576 7,930	41 9	9 14	2	1 6	-	1	-	1 -	-	-	-	-	-	-	2	11	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	11 9 21	9 3 12	1 1 1	1 2	-	- 4	-	-	- 1	-	- 1	1 1 2 1	1	1 2	1 1 3	3 -	111
End Old Town West H E. End Old Town East - E.	} 111,060	{ 45 33	16 16	1 2	53	-	1			1	-	-	-	-	ī	5 4	5	1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	28 18 40	5 44 21	2 10 6	13 3	1 1 1	4 4		-	- 3 3	1 1 1				1 2 1	1 3 5	20	

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHŒA, VIOLENCE, &c., registered in easure-bullet during the Week ending Saturday, 24th June, 1899—continued.

	SUB-DISTRICT during the Wee			1				_	_	(8 regi		duri:	ng th	e Wee	k inc	lude		
		Enume-		. 1	Deat!	hsof				De	aths f	rom						tions
	REGISTRATION SUB-DISTRICTS	rated Population, 1396.	Total BIRTHS.	nî.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	InquestCases.	Deaths in Public Institutions
	SOUTH DISTRICTS.																	
	Christchurch Southwark   WHL.&S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	9 5 13 9 7 15 41 10	4 2 6 14 3 9 10 5	1 3 2 - 3 4 1	1 1 4 4 4 -		1	111111	1			- 1 1 -		111111	1 1 - 1	- 2 2 1 - 2 1	7 - 7 - 7 - 2 -
	St. Olave $WH$ S. Bermondsey $W$ S. Rotnerhithe $WwH$ - S. & K.	11,731 85,475 40,379	$\begin{bmatrix} 2 \\ 47 \\ 21 \end{bmatrix}$	7 17 18	1 3 4	3 3		2	-	-	1 1	-	171	- '-		1 2 3	1 2 3	6 1 4
And the second lives are the second lives and the second lives and the second lives are the second lives and the second lives are the second lives and the second lives are the second lives and the second lives are the second lives and the second lives are the second lives are the second lives and the second lives are the second lives are the second lives are the second lives are the second lives are the second lives are the second lives are the second lives are the s	Waterloo-road   HH	28,396 18,770 40,994 52,486 43,244 81,825 29,318	27 11 31 47 20 41 5	8 12 20 11 8 13 3	3 5 3 1 -	1 3 5 4 2 3 2		1 1 1 3 -	1	1	1 1	111111	1,11111	11111	111111	1	- 2 1 1 - -	M33 1 1 213
A CONTRACTOR DESCRIPTION OF	East Battersea S. West Battersea	71,730 93,385 46,953 58,101 20,566 61,644	39 45 18 38 14 45	12 33 9 10 5 17	6 12 4 4 4 - 8	6 3 2 2		-			- 2		- - - 1		1	1 2 -	3 1 - 1 2 -	9
l	Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	50 50 42	31 12 16	5 2 6	1 12 1 1 1 1 1		.   -	_	1 1	- 2					- 1 -	$\begin{bmatrix} 1\\ -2\\ 1 \end{bmatrix}$	18
	Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	45,441 33,402 23,012	21 35 14 13 25	10 15 3 7 19				- [ ]	-	1 -			1111	1.1.1.1	71111	ī 1 -	1 1 1	at state to the state of
	Eltham $wH$ K Lee $H$ K Lewisham $WwH$ K Sydenham $H$ L	24,222 38,139	21	124		4 -			ı -	-	1 -	-	1 -		7 1 1 1	- 1 -	1 -	2 2 2 3
	Charlton wHH K Woolwich Dockyard K Woolwich Arsenal HHHH - K Plumstead West H K Plumstead East WH K	19,355 21,959 16,714	10 12 11	1 5	3 8 7 0	3 3 2 2	3	-		-	- 1 - 1 - 1	1 - 1 - 1			1	1 1 1 -	1 1 1 -	
	Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum - London County Asylum - Dartford Heath Colney Hatch Asylum Colney Hatch Asylum Winchmore Hill Hospital - Leavesden Asylum Claybury Asylum				4 1 - 1 2 4 4 1 - 9 5	7 1 1 1 1	_	-	-						-	-	-	

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES TOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week nding Saturday, 24th June, 1899.

n	ding Saturday, 24th June,	1899.										3						eek
						Dest	(	The	DEA				n the	Week	inclu	ide	1	
		Area	Enume- rated	is.	TS.	Deat	hs of		1		Death	s from	10.				ile	868
	REGISTRATION SUB-DISTRICTS,	in Acres.	Population,	BIRTHS,	DEATES	Infants under Year of Age.	Persons aged 6 Years & upwd	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhœa,	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
N	DON-OUTER RING -	368,749	1,422,063	1035	431	100	106	-	22	3	13	10	3	9	21	37	56	6
	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	15 4	4	-	2	_			_	1 1	-	-	-	-	-	-
	Godstone, part of * W -	2,754	1,598	1	1	·	1	-	-	-	-	-		-	-		-	~
	Croydon WwHHH	20,851 11,697	128,699 23,072	66 9	27	3 2	6 2	-	3	<u>-</u>	-	- 1	-	-	1	2 3	5	-
Tan on the same	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	23 20 4 4 6	9 8 - 3 4	1 5 1 1	1 1 - 1 2	1 1 1 1 1	1111	-	11111	11111		1	1	2	1	
	Richmond $WH-$ Mortlake $H$	2,160 2,823	25,389 16,159	13 21	12 6	1 -	5 1	-	-	-	-	-		- 1	1 2	2121	4	-
	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	12 11 10	6 1 6	1 1	2 1 3			- 1 -		1	-	-	- 1 - 1	1	- 2	
	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	33	10	3 -	3 -	-	-	-	-	-	-	-		-	-	-
	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	5 6	8	2	$\frac{2}{1}$	-			-	ī	-	~	- 1	ī	2	-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	4 3 5	2 2 1		1 1 -	-	-	-	- 1	-	-		1 2 -	1 2 -	1 -	
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	19 16 21 20 28	16 6 10 2 13	4 - 7	1 2 - 1 2	11111	- 1 -		- - - 1	1 - - 1		1	- 1 - -	1	5 1 2 -	- 1
The state of the s	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	7 1 63 8	5 1 17 7	8 -	1 6 1		3		1 -		1	- 1 -	1 -	1 - 1 -	- - 1	-
The same of the sa	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	6,367 14,152 25,820	6 12 7	1 5 3	1	2	-	,- - -	-		) <del></del>	-	-	-	-	1	-
And and the same of the same o	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	35 89 33 19 5	11 25 15 9 2 4	2 5 5 1 1	6 7 4 - 1	111111	1 5 -	1	21	11111	11111	1 1	- 1 -	1 2 -	1 2 1 - 1	1
and the same of th	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331 —	582 7,737	1	- 1 -	-		1 1 1	-		-	-	-		-		-	-
	$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	\$\begin{cases} 38,612 \\ 58,030 \\ 54,750 \\ 53,511 \\ 32,713 \\ 70,188 \\ 57,330 \\ 12,941 \end{cases}	37 64 37 25 60 55 49	17 28 21 10 18 24 19	5843596	2 3 7 1 5 7 6 2	1 1 1 1 1 1 1 1	1 1 2 -		3 1 1 1 -	- - 2 1 -	2	12-1-1	3 1 4 - 1	3 2 5 2 2 1	3 4 1 - 9 2 -	1 1 -
-	Epping WH, part of* Romford, part of * WH - Ilford Barking Town, H	6,556 8,493 3,814	4,324 10,913 14,301	2 22 9	1 3 6	1	1		- - 1	1 1 1	1 1 1	- 1 -		1 1 1		1 1 1 1	-	
-	London Fever Hospital, Islington.				1	-	-	-	-	1	-	-	-	-	-	-	1	-
-	Eastern Fever Hospital, Hackney. Middlesex County Asylum, Wandsworth.	-			3 2	-	-	-	-	-	2	-	-	1 1	-	-	3 2	
-	N.E. Fever Hosp., Tottenham		*******	-	1	_	-	_	_	1	-	-	-		-	-	1	-

eparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282): 41: 3, Chislehurst strict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097): 135: 1, the parish of Northaw in ld sub-district; 187: 1, Chigwell sub-district, except the parish of Dagenham in Romford sub-district; as deaths in Workhouses and Hospitals for

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 24th June, 1899.

							The DE	A PERSONAL	a word	store	(in th	e Wer	kine	inde	
	Area	Population estimated	of MOR	L RATE RTALITY 0 living.	DEATHS	Dead	ths of	The	regar			as from			
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15,
GREATER LONDON	443,421	6,528,434	14'3	1.7	1786	372	405	-	87	7	41	45	9	18	107
INNER LONDON - OUTER RING -	71,012	4,546,752 1,981,682	15.2 11.3	1.7 1.6	1355 431	272 100	299 106	-	65 22	3	28 13	35 10	6 3	9 9	86 21

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692 845 square miles, which is equivalent the area of a circle having a radius of 14851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

and in certain Foreign Cities.													
			1				DEATHS FROM PRINCIPAL ZYMO DISEASES.						
	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending		BIRTHS. Exclusive	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.	
EDINBURGH - GLASGOW - DUBLIN CALCUTTA - BOMBAY - MADRAS - PARIS BRUSSELS - AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW BERLIN - HAMBURG - DRESDEN - BRESLAU - MUNICH - VIENNA - PRAGUE - BUDA-PESTH - TRIESTE - ROME TURIN (10 days) VENICE - CAIRO - ALEXANDRIA - NEW YORK (including BROOKLYN) PHILADELPHIA -	298,927 733,903 349,594 466,460 821,764 452,518 2,511,629 551,011 512,758 311,301 196,325 345,000 283,550 203,337 1,132,677 988,610 1,805,054 675,351 389,300 406,012 445,000 1,606,629 380,497 666,722 165,913 500,610 344,203 169,883 570,062 319,766 3,550,053 1,266,832	June " " May " " " " " " " " " " " " " " " " " " "	24 24 24 13 30 12 17 17 10 10 10 17 10 10 17 17 10 10 17 17 10 3 17 17 10 3 15 15 15 3 3	67	103 234 143 281 689 - 876 168 154 101 63 90 106 80 541 536 671 212 148 203 265 667 167 287 97 -	18·0 16·6 21·3 31·4 43·6 - 17·1 15·8 15·5 16·8 16·4 13·6 19·4 18·8 24·9 28·3 19·2 16·3 19·6 26·1 31·0 21·4 22·6 22·4 30·3 100 21·5 - 17·5	7 11	1 13 1 1 20 - 23 4 8 30 9 28 1 15 5 5 1 2	1	3 2 ? - 6° 1° - 2 - 1 3° 1 13 4 10 2° 1° 13 3 3° 1 2° - 1 12° - 18	4 3 1 - ? - 8 2 2 4 4 1 1 5 7 2 - 4 1 1 1 1 - 8	3 114† 185† 20 2 3 1 1 - 1 20 - 1 1 1 1 - 1 8 8 - 2 - 1 1 5	

Including deaths from croup.
 Including 22 deaths from plague in Calcutta and 124 in Bombay.
 Including 23 deaths from cholera in Calcutta and 2 in Bombay.

22000, 000 000 000 000 000 000 000 000 0														ON							
	Ozone.		0.5	0.8	2.2	1.5	0.0	0.0	0.0	2.0	26		sea; ns of bulb	ears the the	The	bles. cions nent	and eter,	ater.	ent,	yee.	
in a Gauge whose receiving surface is 5 inches above the Ground.		in. 0.07	10.0	0.55	0.00	0.18	0.00	00.0	Sum 0.51	25		lof the he mea	venty y 1868 for momete	minin mn 8). mthen	rical Ta beservat I moven ing 1875	higher,"	ectrometer moderate	nstrum	f the w		
n's.		Depar- ure from Average of of	Miles.	99 -	+ 31	-101	- 32	- 86	- 28	Sum - 294	24		and th	ation of ngthe b nding ] lb ther	um and air (colt uced fro	gromet of the rizonta	cates" of the th	ristering Ele weak; m.	nshine l	nning o	
	Robinson's.	Horizontal to Movement of the Air on each Day.	Miles.	182	268	136	206	153	213	Sum 1376	23	440,000	e the moses leve sea leve and 9h	de duri years e dry bu	maxim e of the are ded	sher's Hy iscussion at of ho	t + indi exerror	f-registe w. we:	okesSu	the begin	
		Mean of 24 o hourly obs.	1bs.	1.0	0.3	0.0	1.0	0.0	0.5	1:	22	+ + +	tabov ace to h.P.M	by the ds ma	f the eratur nidity	y Glaison ad the last for	nd the	n's sel	sell-St	in. at 9.97 in.	
Osler's,	Pressure on the Square Foot.	Least.	1bs. 1	0.0	0.0	0.0	0.0	0.0	0.0	:	21	120,000	to red	recorribe to	temp temp	ters by vedfre 1890, a recore	in mi dfort]	omsol	Jampl	29.77 ed to 2	
	Pressur	Great-	lbs. 1	5.6	4.7	1.7	1.8	0.0	5.6	:	20		teris dings M.; no	taily v aphic ring t	readir due of egree	mome atderi nding netric	borne	om Th	a the	d fron	
	ection,	P.M.		SSW. Variable	SEE.	S., SSW.	% calm. N. & NNE. NE., NNE. & N. W. & NNW. &			ble	19	il day, or fr the barone ken at 50. A ometer, the nto mean of the photogra- er, and du- rected mea an of the and cities and du- the air is the free and du- the air is the free and du- the air is the free and du- free and du- the air is the free and du- free and du- derived free derived free									
	General Direction,	A.M.		SW. NW.			Calm,	N. & NNE.	Calm & NNW.	Variable	18	ly to the oix	The results apply to the civil day, or from midnight to midnight.  The height of the cistern of the barometer is 159 feet above the mean level of the seas; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.H.; noon; 3h. P.H., and 9h. P.H. The means of the eye-readings of the barometer, the dry bulb thermometer, and the web bulb thermometer, and decreasings of the photographic records made during the beauty years ending 1873 for the barometer, and during the twenty years ending 1878 for the barometers, may be corrected mean reading of the maximum and minimum thermometers. With the corrected mean reading of the maximum and minimum thermometers, forming the mean daily value of temperature of the and of the mean daily the whometers forming the mean daily value of temperature of the animity are deduced from the mean flant monthly and the operature of the animity and decreased the form the mean flant will be an operature of the animity of the animity and decreased of the animity and decreased of the animity and decreased the surface of the animity and decreased of the animity of the animity of the animity of the animity of the animity of the animity of the surface of the animity of the surface of the animity of the surface of the animity of the surface of the animity of the animity of the surface of the animity of the surface of the animity of the surface of the surfa								
	Of the Earth	3 feet below the Surface.	58.92	59.30	69.69	29.80	59°90	00.09	29.90	59.64	17	an]ta ant	ight of the	from a d 873 for d eters.	t the content to the content of the	ues of the srage ten Greenwij	ing colu	cord of l	; and v.	ading of n. by 9h.	
		Lowest on the Grass,	38.1	20.3	0.10	42.7	40.5	53.8	47.0	46.2	16	The # edm	The he no correct Observe	deduced anding 1 thermon	sombine thermon mean day	nally val Theaver made at of the air	In read - "lower The va which ca	The re-	s. strong The nu	The reto	
	Radiation	Highest in Sun's Rays.	0	119.1	0.671	144.5	94.8	0.68	127-2	120.8	15										
Degree of Hu-midity (Saturation equals 100).		69	64	74	7.5	88	77	69	73	14	νį	reast	g; fin afterv lar he	after	ercast M. I	en 9h		with			
and Dew Point Temperature,		Least,	0.1	4.5	4.0	1.4	0.0	5.8	9.0	151	13	GENERAL REMARKS	Very fine till afternoon; overcast afterwards with gentle rain after 8h. P.M. Partial solar halo at Ih. P.M.	Cloudy with rain in morning; fine till afternoon; generally cloudy afterwards with rain at 11h, 40m. P.M. Solar halo in	evening. Generally cloudy; fine in Showery in morning.	Fine and partially cloudy; overcast after 10h. P.M. Solar halo at 4h. P.M. Bright parhelion about 7h. P.M.	betwe	Generally overcast.	noon ine an		
	peratur	Great-	20.7	18.7	15.7	16.5	9.4	12.6	2.21	15.8	12	L RE					ıt rain		st till A.M.;		
	Ten	Mean daily value.	0 10.4	12.3	8:3	9.1	6.1 6.1	4.7	10.8	80	11	NERA					requei		overcast till noon with slight h. 55m. A.M.: fine and partially	ards.	
Of the Dew point.		Mean daily value.	52.2	45.9	54.5	2.72	0.99	2.10	20.1	6.12	10	GE	Very fine till ards with gent lar halo at lh.	ly with	rally y in m	and pa M. Sol on abo	Overcast; frequent rain between 9h. A.M. nd 7h. P.M.	ally or	rally c	afterw	
Of the Air.	2	parture from Average of 50 years.	0 + 3.4	- 1.3	+ 2.6	£ 1.5	- 1.5	- 1.9	- 0.3	+ 0.4	6		Very fine till afte wards with gentle re solar halo at Ih. P.M.	Cloud afterno with ra	Genera Genera Showery	Fine and 10h. P.M. parhelion	Overcast and 7h. P.M	Gene	Generally overcast till noon with slight shower at 9h, 55m, A.M.: fine and partially	cloudy afterwards.	
		Mean daily value.	62.6	58.5	8.59	61.8	59.2	29.1	6.09	2.09	00	Sun above Horizon, in hours,	16.6	9.91	16.6	9.91	9.91	9.91	9.91	Sum 116:2	29
	-	Daily Range.	24.6	15.1	15.9	9.61	10.5	8.6	17.1	16.0	1		67	en				0	10		1,
		Low- est	50.4	52.0	0.99	53.4	22.0	54.0	54.0	53.7	9	Registered Sunshine in hours.	7.5	5.3	2.9	6.3	0.0	0.0	4.5	Sum 26.2	28
		High-	0.92	67-1	71.9	73.0	65.2	2.79	71.1	2.69	5	of (e,)	ally;	out -	V. till after-	- trooi	A.M.; r till after-	out -	out -		
Mean daily reading (cor- rected and re- duced to		rected and re- duced to 32° Fahren- heit),	1n. 29.611	29-445	29.240	29.413	t 29.519	29-722	59.830	29.549	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally N. in evening.	w. P. throughout	w. P. and w. N. till 3h. A.M.; w. P. after-	w. P. throughout	w. P. till Ilh. A.M.; loss of register till 6h. P.M.; w. P. after-	wards. w. P. throughout	w. P. throughout		27
Phases of the Moon.		:	:	:	:	Greatest Dec. S.	Full	:		3	ELJ (For e	w. F	w.P.	W. P. 3b. A.M	W. P.	w. P. loss of 6h. P.M.	wards.	w. P.			
		e,	18	- 19	- 20	Y 21	22	193	- 24	1	- uw		18	- 19	02 -	¥ 21	3	£57	77		1
1899.		MONTH AND	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
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1899.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 26. 1899. Vol. LX.] WEEK ENDING SATURDAY, JULY 1. Price  $1\frac{1}{2}d$ .

> General Register Office, Somerset House, July 3rd, 1899.

# THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England nd Wales corresponded to an annual rate of 15.7 per 1000 of their aggregate opulation, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several owns, alphabetically arranged, corresponded to the following annual rates er 1000:-

		Weeks	endin	g	I					Weeks	endin	g
Towns.	June 10.	June 17.	June 24.	July 1.	-	Towns.			June 10.	June 17.	June 24.	July 1.
Birmingham - Blackburn - Bolton Bradford - Brighton - Bristol - Burnley - Dardiff Droydon - Derby Hateshead - Halifax - Huddersfield- Hull -	18·1 15·3 17·7 17·4 14·8 14·6 14·3 13·7 11·4 17·2 13·2 19·2 15·1 17·1	15·8 19·4 17·0 16·4 15·9 11·4 17·2 21·7 9·0 13·7 19·6 20·8 13·6 16·5	13·6 16·8 13·1 13·8 14·8 15·7 15·3 14·3 15·7 8·2 13·2 17·6 13·9 16·1 14·0	12·7 15·4 10·4 13·5 14·8 14·8 15·1 18·9 13·5 16·7 22·5 12·8 13·6 17·4		Leicester Liverpool London - Manchester Newcastle-on Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham			20·9 15·7 22·9 15·1 11·0 18·1 20·8 17·6 17·3 21·0 16·7 20·8 18·1 10·8	20·6 15·1 24·8 15·5 14·7 17·4 16·6 15·0 15·1 22·0 18·2 17·9 17·1 11·8	21·0 18·3 18·9 16·8 18·0 19·7 14·2 14·6 17·4 19·2 15·4 15·1 13·9	21·5 14·9 21·3 14·6 13·4 12·9 14·2 13·5 15·0 13·7 17·9 20·6 16·1 13·1 11·8
Leeds	14.8	10.6	19.9	14.4	L	Wolverhamp	ton	-	14.7	14.1	22.9	17.6

The highest annual death-rates per 1000 living, as measured by last week's nortality, were:—from measles, 1.2 in Croydon and in Salford, 1.7 in Manchester, and 1.8 in Burnley; from scarlet fever, 1.4 in Burnley; from whooping-cough, 1.0 in Plymouth and in Gateshead, 1.1 in Portsmouth and n Cardiff, and 1.4 in Burnley; from "fever," 1.3 in Brighton; and from liarrhæa, 1.0 in Bolton and in Gateshead, 1.2 in Leicester, and 1.4 in Salford. The 71 deaths from diphtheria included 25 in London, 10 in Sheffield, 7 in Portsmouth, 6 in Birmingham, 5 in Leeds, 4 in Leicester, and in West Ham. Five deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

### LONDON.

In LONDON† 2441 BIRTHS and 1297 DEATHS were registered. Allowing or increase of population, the births were 188, and the deaths 142,

By "estimated" population is meant merely the number of persons who would be living if the mean to of increase in the last intercensal period had since been maintained to find the last intercensal period had since been maintained to living if the mean mated outside Registration London, but excluding deaths of persons not belonging to London occurring the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the stropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths us excluded from Registration London are, for the purposes of Tables 1,6, and 7, added to the Outer ing, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.7, 15.1, and 15.5 in the preceding three weeks, fell last week to 14.9. During the four weeks ending on Saturday last the death-rate averaged 15.3 per 1000, being 1.5 per 1000 below the mean rate in the corresponding periods of the ten years 1889-98.

The 1297 deaths included 51 from measles, 11 from scarlet fever, 25 from diphtheria, 26 from whooping-cough, 11 from enteric fever, 20 from diarrhea and dysentery, and not one death from small-pox, from typhus, from and ill-defined form of continued fever, or from cholera; thus. 144 deaths were referred to these diseases, being 100 below the corrected average

weekly number.

The deaths from measles, which had been 93, 64, and 65 in the preceding three weeks, fell again last week to 51, and were 14 below the corrected average; 10 cases belonged to Camberwell, 5 to Greenwich, and 5 to Poplar sanitary areas. The deaths from scarlet fever, which had been 5, 7, and 4 in the preceding three weeks, rose again last week to 11, but were 6 below the corrected average; 3 cases belonged to Islington, 2 to Fulham, and 2 to St. Marylebone sanitary areas. The deaths from diphtheria, which had been 28, 35, and 28 in the preceding three weeks, further fell last week to 25, and were 12 below the corrected average; 4 cases belonged to Shoreditch, 3 to Poplar, and 3 to Lambeth sanitary areas. The deaths from whooping-cough, which had been 27, 35, and 35 in the preceding three weeks, fell again last week to 26, and were 14 below the corrected average. The fatal cases of enteric fever, which had been 7, 6, and 6 in the preceding three weeks, rose again last week to 11, and were 2 above the corrected average; 2 cases belonged to Lambeth sanitary area. The deaths from diarrhea, which had been 12, 12, and 9 in the preceding three weeks, rose again last week to 20, but were 51 below the corrected average. The deaths referred to discovery of the respiratory corrected average. The deaths referred to diseases of the respiratory organs, which had been 216, 207, and 190 in the preceding three weeks, further fell last week to 159, and were 31 below the corrected average. The deaths attributed directly to *influenza* numbered 12, having been 18, 13, and 12 in the preceding three weeks.

Different forms of violence caused 73 deaths, concerning all but 6 of which inquests were held. Of these 73 deaths, 7 were cases of suicide, while the remaining 66 were attributed to accident or negligence. Ten of these were referred to vehicles in the streets, 6 to drowning, and 10

(including 9 of infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2 cases of small-pox, 2430 of scarlet fever, 1280 of diphtheria, and 105 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 302 cases, against 278, 262, and 335; of diphtheria, 225 cases, against 173, 171, and 204; and of enteric fever, 17 cases, against 17, 20, and 26.

GREATER LONDON.

In Greater London 3406 births and 1704 deaths were registered, corresponding to annual rates of 27.2 and 13.6 per 1000 of the estimated In the Outer Ring 15 deaths from measles, 2 from scarlet fever, 12 from diphtheria, 17 from whooping-cough, 4 from "fever," and 10 from diarrhœa were registered. Five deaths from measles, 5 from diphtheria, 6 from whooping cough, 2 from "fever," and 7 from diarrhea occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.819 inches, and that of the Thermometer 62°3; the latter being 1°0 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 13 per cent. above the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 43°9 hours; the measured rainfall amounted to 0°74 of an

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox. Scarlet Fover, Diphtheria, Enteric Fover, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after so journ in the Hospital to have been erroneous.

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CILIES	BOROUGHS	Cols.	33 TOWNS.	London.	WEST HAM.	CROYDON.	PORTSMOTTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON,	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTFINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	SHADERLAND.	GATESHEAD.	NEWCASTLE.	
	In Centi- metres.	24.	2.31	1.88	1	1.60	1.42	1	1.12	1	r	88.9	t	1.33	1 1	COLT	1	1 }	c/.7	1 1	1	1	1	1	1	272	1	2.01	1	1.47	141	_	1	
	In Inches.	133.	16.0	0.74	1	0.63	0.26	H 1	0.44	1	1	2.71	1	0.25	1 6	0.0	1	1 3	1.87	1 1	1	1	1	1	!	1.07	1	62.0	1	1 20	CC 0	1 1	1	
n.	Centigrade.	22.	15.3	16.8	ı	17.0	16.0	0.01	15.4	ı	ı	14.6	1	15.4	+ :	14.9	t	1	14:1	1 1	1	1	1	1	1	13.8	ı	14.9	1	1 4	140		1 1	
Mean.	Fahrenheit.	21.	9.62	62.3	1	62.6	8.09	7 70	26.8	1	t	58.3	1	2.69	1 6	58.0	1	1	27.3	1 1	1	ı	1	1	1	56.9	1	6.8c	1	i č	1.80	1	1	
=	pheit.	20.	44.2	51.5	1	0.00	51.6	0.20	48.0	ı	ı	44.2	1	47.5	ı	45.3	ı	1	20.6	1	1 1	1	1	1	1	48.0	1	48.8	1	1 07	46.0	1	1 1	
	Fahrenheit.	19.	8.08	8.08	1	2.62	75.0	0.77	0.22	1	1	74.2	1	79.5	1	74.2	T	1	71.3	1		1	1	1	1	0.89	1	7.69	1	1 6	73.0	ı		
onding he Deaths.	From Diseases in Cols. 6-12.	18.	1.9	1.6	1.7	1.5	1:3	9.4 9.0	1.3	1.4	9.0	1:5	1.5	6.0	5.4	1.2	1	0.2	5.6	1:3	0.00	1.7	4.6	2.3	1:3	0.2	11	2.0	1.8	12.0	60 1	1.4	77.0	5
corresponding to the Week's Deaths.	From All	17.	15.7	14.9	11.8	15.5	14.8	13.5	151	13.5	13.1	17.6	15.4	13.4	13.9	12.6	16.7	12.7	21.2	13.5	0.71	14.2	18.0	10.4	13.7	13.6	12.8	14.8	14.4	9.06	17.4	1.91	0 77	TA
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	Scarlet Fever.	80	355	11	1	1	1 0	c/1	1	1	1	1		ı	1	ा	1	1	4	1			7 07	)	-	1	_	63	3	1	- 22	1	1	1
	Measles.	7.	110	51		60	1 :	ବୀ :	-	1	1	1	er:	1	1	p=4		1	6	1	18	0	0 4	-	1		1	1	1	e0	22		1 1	
-	and upwards,	6.	10	1	1	1	1	1	1	!	1	1		1	-	-	1		1		_	1	1 1	1	-						-	-	6	
Deaths of	Persons aged stab 109	5.	747	300	13	16	11	14	- 26	10	∞	7	- 65	00	_ =	13	10	1-	43		37	7 9			7			_	_		25		_	13
De	Infants under 1 Year of 1 Year	4.	779	264	19	00	∞	10	2. 2.	16	က	0	43	10	20	13	6	12	52	6	42	4 5	13	4	50	4	60	14	31	39	23	10	=	=
k ending 1899,	BIRTHS, DEATHS.	823	3427	1997	89	38	35	52	07	48	26	06	159	06	57	59	34	82	262	42	222	22	41	776	31	7.6	54	29	117	143	78	45	46	64
the Week ending 1st July 1899.	зівтив,	2,	6421	2441	142	62	69	67	158	113	09	40	241	50	117	143	20	64	449	77	307	140	17	67	22	47	800	104	237	238	160	105	94	153
	estimated cothe middle of the Year 1899.**	1.	11,404,408	4,546,752	300,241	127,759	123,226	190,741	320 911	185.826	103,722	160 55	514 956	119.966	213.851	239,384	106,401	115.169	634.212	162,221	543,902	218,244	150,772	195,001	117,622							145,613		228,625
891410	ž.	Cols.	33 TOWNS	TONDON	WEST HAM	CROYDON	BRIGHTON	H	PLYMOUTH -	BRISTOL	SWANSEA	NO MARKET MA	WOLVERHAMFION	THE STATE OF	NORWICH -	NOTETINGHAM -	DERBY	Dynamica		BOLTON	MANCHESTER -	SALFORD	1	BUKNLEY	PRESTON	HERBERTEIN -			ı	ELD -	1	SUNDERLAND -	GATESHEAD	NEWCASTLE

Table 2. LONDON.—Births and Deaths Registered in the TWENTY-SIXTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.**	1899
TOTAL Births	2467	2359	2458	2489	2469	<b>2</b> 453	2488	2501	2821	2475	26287	2441
Males	1265	1196	1240	1272	1260	1226	1291	1283	1442	1200	1333·5	1260
Females -	1202	1163	1218	1217	1209	1232	1197	1218	1379	1275	1295·2	1181
TOTAL Deaths - Males Females	1265	1346	1363	1377	1831	1282	1429	1370	1156	1256	1438*8	1297
	699	666	749	708	978	609	732	698	624	661	749*6	692
	566	680	614	669	853	673	697	672	532	595	689*2	605

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twenty-sixth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

i	in Ho	SPITA	LS, ir	the l	Last T	HIRT	EEN V	VEEK	s.				
·	Apr.	Apr. 15.	Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.
TOTAL Births	2554	2875	2759	2693	<b>26</b> 23	2574	2598	2306	2678	2445	2571	2422	2441
TOTAL Deaths	181 (	1624	1499	1478	1397	1428	1419	1366	1483	1365	1316	1355	1297
$ \begin{cases}                                   $	341 203 99 227 367 464 115	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 -168 -92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery . Cholera	29 8 34 58 -6 -1	34 6 20 54 14 - 4	51 7 29 47 - 3	45 6 26 54 4 10	36 10 21 47 7 12	49 2 40 39 - 8	51 9 24 39 6 12	61 5 23 34 4 10	67 4 24 - 33 - 6 - 13	1 93 5 28 27 - 7 - 12	64 7 35 35 35 6 12	65 4 28 35 6	51 11 25 26 11 20
All the above Diseases -	146	133	144	145	133	147	141	137	147	173	159	148	144
Dis. of Respiratory System - Phthisis - Dis. of Circulatory System - Violence - Inquest Cases - Deaths in Public Institutions-	470 174 152 89 189 534	343 173 147 83 156 509	277. 160 140. 65- 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456
TEMPERATURE OF THE AIR.									1				
Mean Mean of Highest readings - Mean of Lowest readings -	48.9 56.1 44.0	43.9 52.2 37.2	43·4 52·3 34·7	50·1 57·3 44·1	46.4 55.3 37.2	50.9 62.2 41.7	54·4 62·7 48·3	49.5 57.1 43.2	58.4 70.8 43.6	61·1 73·3 49·1	56.3 69.3 45.1	60.7 69.7 53.7	62:3 73:1 53:8
Humidity of the Air	77	80	75	76	67	<b>7</b> 5	75	78	60	64	67	73	68
Rain-fall (in inches)	0.49	1.27	0.43	0.79	0.00	0.01	0.97	0.66	0.00	0.00	0.00	0.51	0.74
Registered Sunshine (in hours)	25.3	21.9	26.5	17.8	49.7	43.0	33.9	29.3	95.9	72.1	68.0	26:2	45.9
CASES OF INFECTI		ICKNI	ess in	Hosp	ITALS*	AT T	HE EN	ID OF	EACH	WEE	ζ.		
Small-pox	2235 1126 139	2126 1068 129	$\begin{bmatrix} 3 \\ 2144 \\ 1034 \\ 125 \end{bmatrix}$	2131 997 124	2139 1040 118	2210 1065 107	1 2161 1066 99	$\begin{array}{c c} 1 \\ 2201 \\ 1111 \\ 102 \\ \end{array}$	$\begin{bmatrix} 1 \\ 2212 \\ 1134 \\ 99 \end{bmatrix}$	2269 1159 97	2280 1170 93	2367 1230 109	2 2430 1280 105

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their asteorological observations at the dispetal of the Registrar-General, and the results have seen compiled by J. Alaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Caun Lippincott Eqq., 3 cistol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Bobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S. Preston: A. Johnson, Esq., M.Inst. C.E., Bradford: and Mr. E. Peak, Hull

'ABLE 4.' LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

			,	Γw:	ENT	ry-	SIX	TH	W	eek of the Year 1899.									
	the		In	the	Wee, 1st	k en July	ding 189	9.			, the years		Sat	n the	e We	ek er t Ju	nding ly 18	99.	
	es for the 10		De	aths th	of P	erso:	ns o	f			res for he io		De	eath	s of l	Perso	nso	f	
USES OF DEATH	Averages ix of the 1889-98*,	'n	τ	nder 20,	r	under 40.	under 60.	er 80.	and	CAUSES OF DEATH	Averages k of the 1889-98*,	· a	1	Jnde 29.		ler 40.	ler 60.	ler 80.	and
	Corrected A. 26th Week	ALL AGES.	0-1	1-5.	5-20.	20 and und	40 and und	60 and under	80 years a		Corrected 26th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60	60 and under 80	86 years upwards
AUSES	1438.8	1297	264	156	78	212	287	240	60	Diseases of Circulatory } System }	110.2	124	2	2	8	23	36	44	9
ll- {Vaccinated† - Unvaccinated No Statement es it Fever	0°1 0°6 0°2 65°4 17°1 0°2	51 11	14	33 6	44	1	1111111	11111	11111	Croup Bronchitis	2·0 82·2 80·9 6·2 18·2	58 84 7 10	- 13 13 - -	5 17 -	- 1 7 - -	17 1 3	- 13 17 5 5	23 9 1 2	_
sing Fever	10·1 40·3 36·7 1·1 8·6 2·1 71·1	12 26 25 - 11 - 20	9 3 18	1 16 14 - 1 - 2	2 1 8 - 1	7	2 - 2	4.	111111111	Dentition Quinsy, Sore Throat - Enteritis Peritonitis - Diseases of Liver - Other Diseases of Digestive System - }	9°4 1°6 24°0 5°7 23°6 29°9	7 2 32 7 24 33	15 10	-	31 - 2	24 6 6	- 6 1 10 9	1 3 1 7 2	3
ttent Fever	0.2	2				- 1	-		1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	2.6	3	none		-	1	-	2	-
pelas nia and Septicæmia peral Fever Zymotic Diseases	81 23 24 36 13	2 4 - 4 1	1 - -			3 -	1 1 1 -	1 - 1	1 -	Diseases of Urinary System	42.1	43	-		1	10	13	16	3
sh	1.8 0.2		-	-		-	-	-	-	Diseases of Generative System Accidents of Childbirth-	4·5 4·9	13 1			-	7	5 1	1	
eal Diseases - 5				-		·			-	Diseases of Locomotive System }	5.8	3	1			1	1	-	-
ation, Want of ast-milk	1.4 10.9	12	-	-	-	6	6		-	Diseases of Integumen- tary System-	4.9	4	3	-	-		1	-	-
matic Fever, numatism of Heart { matism	5.5 1.2 3.3 5.5 66.3 24.6 24.0 145.1 21.0 12.6	8 2 2 6 86 11 11 153 12 13	- - 3 - 7 1 2 3	3735	1 2 10	3 - 12 - 1 67 - 3	1 2 - 39 - 54 - 6	- 2 34 - 17 1 3	1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Explosions -	54.1	1 10 - 1 - 6		1 2	180 1 1 1	- 1	1 4 -	- 2 - 2	
ature Birth	45.6 4.2 7.3 42.0	40 3 7 37	40 3 7 -	-	-	-	-	- 13	- - 24	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes		6 10 4 28	- 9 - 4	1 2	2 1	5	1 2	10	4
lexy	36·2 6·9 37·4 83·3	32 8 38 72	1 32 6	5 14	1	3 - 8	12 3 - 18	12 3 - 17	4 - 4	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.9 9.2 -	7	111		1-1-1	2	5	1 1 1	
ses of Organs of cial Sense -	4.3	9	2	4	-	1	1	1	-	OTHER CAUSES	52.7	40	34	2	-	-	-	4	-
he numbers in this co	olumn ar	e the	a.ve	rao	e w	reek	lv	dea	ths	for the ten years 1889-98, rais	sed by 5"	213 pc	er c	ent	. fo	r ir	cre	ase	

he numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase pulation. In this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase fully those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered call men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." us evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of tent, murder, manslaughter or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in e Supplying the Week anding Saturday, lat. July 1899

SUB-DISTRICT during the We	ek endin	g Satı	ırday,	lst	July	y, 18	399.				_						
• .				_			The	DEAT	HS re	gister	ed du	ring	the W	eekiı	nelud	е	
	Enume-			Dea	ths of					Deatl	s fro	m					utions,
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Snall-pox.	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhea.	Violence.	Inquest Cases.	Peathsin Publicinstitutions.
LONDON -	4,411,710	2441	1297	264	300		51	11	25	26	-	11		20	73	143	456
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	354 525 109 481 972	218 267 68 250 466 28	35 55 16 65 93 -	56 63 10 51 109 11	11111	11 2 13 25	3 - 1 3	3 4 1 4 13	4 5 1 4 12 -	1 11111	1 2 3 2		532155	13 21 8 11 20	22 35 8 37 41	88 83 25 94 138
	90,996 33,510	41 13	20 10	9 -	4 2	-	-	1 1	-	1 -	-	-	-	2	- 2	1 3	4 4
Kensington Town $Ww - W$ . Brompton $HH$ $W$ & C.	122,164 48,301	53 14	42 10	7	12 2	-	-	-	-	1	-	-	-	Ē	3 2	7 3	18
North Hammersmith $\uparrow H$ South Hammersmith $\uparrow H$ W. & G Fulham $Ww$ W. & C.	44,638 59,561 113,781	30 30 78	11 13 36	3 2 7	2 4 6		1 1 1	3	1 2	1		- 1	-	1	- 3 1	3	13
	21,450 42,057 33,139	11 15 11	2 25 5	1 2	- 8 1	-	-	1 1 1	1 1 1	ī		1 1 1	-	-	1 - 1	1 -	18
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	18 17 6	10 11 10 6	- 1 1	5 4 2 1	-		1111	1111	1111	1 1 1 1	1 1 1 1		1.1.1.1	1	1 -	8 6 1 4
	23,050 12,048	10 5	3 4	1 1	2 1	-	-	1 1	1.1	-	-	-	-	1 -			1,
NORTH DISTRICTS.  All Souls Marylebone } W. Rectory Marylebone W G. & W. St. Mary Marylebone G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	12 8 25 15 19	13 9 9 7 7	1 2 2 4 1	4 2 2 3	1 1 1 1 1	- - 1	4 1	11 1 121	1	11111	1 1 1 1 1	-	1	- 1 2 -	1 3 3 -	3 1
$ \begin{array}{c} \text{Hampstead} \\ WwHHHH \\ \end{array} \right\} - \text{N. & W.} $	75,449	<b>3</b> 3	15	-	4	-	-	3	2	-			-	-	1	1	9
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	9 8 12 19 10 55	10 13 5 10 22	1 2 3 -4	2 2 3 4	1 1 1 1 1	1 1 - - 1	1 1 1 1 1 1	1 1 1 1 1 1	2	1 1 1 1 1	11111	1.1.1.1		1 1221	1 2 1 2 3 2	6 8255
$ \left. \begin{array}{c} \text{Upper Holloway} \\ \text{$WWWwHH} \end{array} \right\}  -  \text{N.} \\ \text{Islington South-west}  \text{$H$}  -  \text{N.} \\ \text{Islington South-east}  -  \text{N.} \\ \text{Highbury}  HH  -  -  \text{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	56 49 33 35	39 18 9 11	4 8 3 3	9 3 1 4	1111	1 2 -	1 1 1 1	1 1711	- 11	1 1 1 1	1	1 1 1 1	1,11,1	1	3 1 1	27 - 1
Stoke Newington H - N. North Hackney - E.&N. Central Hackney ww - E.&N. South-west Hackney HHH E.&N. South-east Hackney WwH E.&N.	33,485	13 25 25 25 35 29	4 11 16 13 22	2465	1 1 5 3 6	11111	1 1 -	11111	2 -	11111	117113	- 1	11114	- - 1	2 3	- 313	- 2 2 10

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District at that that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signiform Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. N. Biver; E. East London; and K. the Kent Company.

See note; on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

BLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each Sub-District during the Week ending Saturday, 1st July, 1899—continued.

SUB-DISTRICT during the We	ek endin	g Satu	irday	, 1st	Jul	y, 1	899-	<u>-co</u>	ntin	ned.					٧.			
						4	Т	he D	EATH	8 regi	stere	d duri	ng the	Weel	kinol	ude		
	Enume-				thso	.  _				Deat	hs fr	om					utions	of
REGISTRATION SUB-DISTRICTS	Popu- lation 1896.	Total BIRTHS,	Total DEATHS	Infants under 1 Year of Age,	Persons aged 60 Years	Small-pox,	Measleg.	Scarlet Fever	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid)	Simple Continued Fever,	Diarrhosa,	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes Death.
CENTRAL DISTRICTS.																		
George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	. 4 9 4	1 3	ī		-	-	-		-	-	-		-		1-1	1 1 1	1 1 1
Martia-in-the-Fields HHN.&C. rand WHH N. rand Union Workhouse, Edmonton	13,077 11,839 †1,037	6 5 -	3 7 -	1 -	1 -	- - -		-	-	-	-			-	1 2 -	1 -	3 4	
olborn wHHHHHHHH - N. James Clerkenwell - N. nwell Clerkenwell - N. swell-street - N. ty-road HHHL - N. nitecross-street - N. nsbury - N. nsbury - N. nbbry Union Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	8 9 21 9 24 3	16 5 8 3 6 2 -	6 3 - 2 1 1	2 1 1 1 1 1 1 - 1		111	111111		1			11111111	111	2 - 1 1	2 - 1 1	7 - 2 - 1	111111
Botolph $H$ N.& E. ipplegate N. & E. Sepulchre $WH$ N. hallows Barking N. oad Street $H$ N. $y$ of London Asylum, Stone -	6,870 3,299 9,591 9,059 2,892 †388	1 3 3 -	12	- 1 - -	1	1,111,1	Ž1 1 1 1 1 1		1	11111	11111	- 1 -		111111	- î	3	8	1 1 1 1 1
EAST DISTRICTS.  oreditch South $Hl$ - E. & N.  xton New Town $w$ N.  xton Old Town N.  ggerston $WH$ N. & E.	17,975 29,575 27,645 47,163	4 14 11 30	3 6 8 17	1 : 35	1315		11-		1	7111		1111		1111	21	G G 1 1	1 - 7	1111
$rac{1}{2} rac{1}{2$	49,301 34,194 45,667	39 28 31	15 6 21	5 4 5	- 2 5		11.1	-		- 1		-		1	2 1	2	2 - 8	ī -
talfields E. & N. le End New Town* WH - E. odman's Fields* E.	26,681 51,995 {	25 26 17	5 45 4	11 1	1 3 1	-	î		2	1 - 1	-	ī -		-	3	2 8 3	8	
George's North E. John, St. George East W. E.	39,576 7,930	50	14 8	6 3	2 4	-	ī	-	-	-	-	-	-		1	2	5	-
dwell $H$ E. & N. cliff $W$ E. aehouse E.	10,434 14,954 32,917	4 9 19	8 1 7	4	- 3	-	- 1		-		-		-   -	_	-	1   .	-	-
e End Old Town West H E. e End Old Town East - E.	111,060	{ 45 29	19 10	6 -	<b>4</b> 5	-	1	-	-	1 -	-				ī	5	- 1	-
$egin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	30 40 28	11 26 16	235	2883		3 3	- 1	- 1	-	-		-   -				5	-

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX MEASLE SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each SUB-DISTRICT during the Week ending Saturday, 1st July, 1899—continued.

							The I	DEAT	HS reg	gister	ed du	ring t	he We	ek in	clude		
Rain American Company	Enume-			Deat	nsof				D	eaths	fron						ations
REGISTRATION SUE-DISTRICTS	rated Population, 1896.	Total BIRTHS.	Total DEATHS.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions
	, t																
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 3 14 17 12 16 47 23	2 3 8 5 5 18 7	111182	1 4 1		1	111111	1	1 2	1111111	11111111		1111111	1 - 1 1	1 1 2 5 -	- 6 1 -
St. Olave $WH S$ . Bermondsey $WH S$ . Rotherhithe $WwH S$ . & K.	11,731 85,475 40,379	7 56 25	18 24 9	2 8 1	2 5 4		1 -	-	-	2	-		-		1	2 2 1	16 1 6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	22 15 26 34 22 43 23	6 17 20 11 6 14 4	5 2 5 1 1 2 1	1 21 25 22 1 25	111111	- 211	11111	1 2 -	1	1111111	1 - 1 -		111111	222	- 231 - 1 -	2 14 11 13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	49 42 30 30 12 34	11 29 11 13 5 16	4 5 1 2 1 4	11 15 2 - 3	11111	1 -		1 - 3		11111	11111	11111	1	1 1 -	2 5 1 -	15 1 1 - 3
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 47 42 32	1 41 28 21	375	1 15 9 4	1111	1 4 5	-		- 2			1 1 1 1	- - 1	- 2 - 1	4 - 2	26 -
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	22 30 16 11 20	10 13 5 4 17	4 4 - 1 1	2 1 3 1 6	14111	2 1 - 1 1		3	1 -		1 -	11111	1	1111	1 1 1 1	4 - 14
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 16 20 23	1 6 16 9	- 2 3 2	1 2 4 3	1 1 1	1 -	-	1		-	1 1,1 1		- 1 -	- 1 -	1 1 -	- 5 1
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	16 11 11 17 27	7 7 4 4 10	1 2 -	1 1 1 1 1 1			1	1	1	11111	11111	11111		- 1 -	11111	3 - 4
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum			66 33 34 44	-	1 2 - 4 1 - 1 2	1111111111	+	3		1111111111		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	111111111111111111111111111111111111111	1111111111	111111111	111111 1 11111	2 - 6 6 3 3 - 4 4

ABLE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 1st July, 1899.

OUTER RING - lton wHH - , part of* W wHH - ne, part of* W - m w - edon HHH - on WH - on H - o	Area in Acres.    368,749     12,228     10,423     2,754     20,851     11,697     3,220     14,672     4,565     2,160     2,823     9,127     6,542     14,307     12,540	Enumerated Population, 1891.  1,422,063 26,108 12,508 1,598 128,699 23,072 25,777 33,566 121,78 11,080 18,252 25,389 10,159 23,815 21,969	985 14 9 - 72 17 20 14 3 4 13 8 5	407 14 - 36 1 11 10 1 8 1	1 cc 1 cc 1 l cc Trants under 1 cc	Lersons aged 60 Lears & upwds.	l l l l Small-pox,	Weasles.			Myooping-cough.		10 Diarrhea.	Violence.	I   D Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
OUTER RING - lton wHH - part of* WwHH - ne, part of* W - n WwHHH - n w on HHH - on HH - urst, part of w WHH HHH - d WH, part of *	in Acres.    368,749   12,228   10,423   2,754   20,851   11,697   3,220   14,672   4,565   2,160   2,823   9,127   6,542   14,307	1,422,063 26,108 12,508 1,598 128,699 23,072 25,777 { 33,566 12,108 11,080 18,252 25,389 10,159 23,815	985 14 9 - 72 17 20 14 3 4 13	407   4   -   36   1   10   1	1 % + 1 1 96 Infants	Persons aged Tears & npw	l i i i Small-p	15	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	10		28	Deaths in Institution	Theertified of Death.
ton wHH   part of* WwHH   part of* W   part of* HH   part of* WHH   part of*     part of*   part of*   part of*   part of*	12,228 10,423 2,754 20,851 11,697 3,220 } 14,672 4,565 2,160 2,823 9,127 6,542 14,307	26,108 12,508 1,598 128,699 23,072 25,777 33,566 12,178 11,080 18,252 25,389 16,159 23,815	14 9 - 72 17 20 14 3 4 13	1 4 - 36 1 11 10 1	- 8	- 15	-	-	-	12	17	4	_	21	-	62	4
ne, part of * WwHH - ne, part of * W - n	10,423 2,754 20,851 11,697 3,220 } 14,672 4,565 2,160 2,823 9,127 6,542 14,307	12,508 1,598 128,699 23,072 25,777 33,566 12,178 11,080 18,252 25,389 16,159 23,815	9 - 72 17 20 14 3 4 13 8	36 1 11 10 1	8 -	1 - 15	-	2		-		- :	-	-			-
edon HHH	20,851 11,697 3,220 14,672 4,565 2,160 2,823 9,127 6,542 14,307	128,699 23,072 25,777 { 33,566 12,178 11,080 18,252 25,389 16,159 23,815	20 14 3 4 13	1 11 10 1	-	- 15 1	_	-	-	-	-	}	_				
edon HHH	11,697 3,220 14,672 4,565 2,160 2,823 9,127 6,542 14,307	23,072 25,777 { 33,566 12,178 11,080 18,252 25,389 16,159 23,815	20 14 3 4 13	1 11 10 1	-	15 1	_	2						~	-	-	-
on WH	14,672 4,565 2,160 2,823 9,127 6,542 14,307	33,566 12,178 11,080 18,252 25,389 16,159 23,815	14 3 4 13	10	3			-	-	-	-		-	21.1	3.	9	1.7
y HHH urst, part of * d WH, part of * -	9,127 6,542 14,307	16,159 23,815	8 5		3	36-3-	1 1 1 1	1111	11111		1		11111	- - - -	1	1 5 1 1	11116
ham $H$ - $U$ -	14,307	23,815		6 5	- 1	2 4	-	-	-	-	-	-	-	ī	ī	3	1.1
d WH, part of * -	12,540	20,372	14 9 9	3 6	- 2	1 1 3		- 1	1 11 1	-	-	111		1 1	1	1 1 7	
	-	30,590	23	8	2 -	2	-	1	-	-	-	~	-	1	1	-	1
y w	11,054 13,277	13,671 13,221	8 9	5 4	ī	4	-	-	-	-	-	-	-	2	2	1	- 1
lon WHH	6,035 12,757 7,952	12,237 7,253 11,051	6 5 10	4 4 3	1	1 -		- 1		1 1	2 1	1		1 -	1	1	
th WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	17 13 17 18 16	9 1 17 6 5	1 1 3 1 3	3 - 6 2 -	11111	11111	1		1		1		1	5	1 1/1/1
HHH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	10 1 52 21	2 2 25 7	9 3	1 3 2		-	21 12	1 2 -	- 1 1 1	1.111	-		- 1	- 23	× 1/1 1/1
Imms     HH     -     -       WHH     -     -     -       y     HHH     -     -     -	} 21,077 4,688	8,367 14,152 25,820	4 9 11	1 - 3	-	- 1	-	-	-			-		1 1 1			
m HH	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	35 74 34 26 2 6	9 21 13 12 2 6	2 3 2 4 1	1 5 3 2 1 3	1 1 1 1 1 1	1 - 2	1	1	1	1		1 2 -	12	1132	118116
, part of * W   H   WH, part of * -	3,306 9,331	7,737	2	3 -	-	1	-		-	- 1.1					-		1
Town H	3,266 4,334 6,501 11,779	38,612 53,030 54,750 53,511 32,713 70,188 57,330 12,941	24 42 52 24 43 46 55	14 14 23 10 12 28 21	4582765	4223255	111111	1 2 - 2 - 2 -	1.1111111		1 2 1 1 1 1		1 5 1	1 - 1	1	1	11111122.1
17 AA BUILD UI	6,556 8,493 3,814	4,324 10,913 14,301	1 20 16	1 4 10 1	1 2 -	1 1 2 -		- 1			1		1111	- 4	4	1 - 1	1 SILE I
	am HH- on Www - WWHH - n Abbey t H	am HH   4,642   7,489   WWHH -   2,602   1,017   1,	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	am HH   4,642   97,174   74   21   10   10   10   10   10   10   10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	am HH   4,642   97,174   74   21   3   5   -   -   1   -   12,602   31,536   26   12   4   2   - 2   -   1,017   6,066   2   2   1   1   -   -   -   1,017   6,066   2   2   1   1   -   -   -   1,017   6,066   2   2   1   1   -   -   -   1,017   6,066   2   2   1   1   -   -   -   1,017   6,066   2   2   1   1   -   -   -   -   1,017   6,066   2   2   1   1   -   -   -   -   1,017   6,066   2   2   1   1   -   -   -   -   1,017   6,066   2   2   1   1   -   -   -   -   -   1,017   6,066   2   2   1   1   -   -   -   -   -   -   -   -	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	am HH   4,642   67,174   74   21   3   5     1   -   1   1   1   1   1   1	am HH 4,442 97,174 74 21 3 5 1 1 1 1 1 1 1 1 1 1 1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	am HH   4,642   67,174   74   21   3   5     1   1   1   1   1   2   2   2   2   1   1	am HH   4,422   97,174   74   21   3   5   -   -   1   -   1   1   1   1   1   1

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows: -30: 2, Bpsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham I Farley in Godstone sub-district; 3: 3, Esher sub-district, except the parish of Esher (pop. 2,282): 41: 3, Chislehurst district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097): 135: 1, the parish of Northaw in tifield sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping P. 1,078): 1,88: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for betious Diseases belonging to the Outer Ring in 42: 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 1st July, 1899.

							The DE	ATH	3 regi	stered	in th	e Wee	k incl	lude		
	Area	Population estimated	of MOR	L RATE TALITY 0 living.	DEATHS	Deat	ths of			1	Death	s fron	0.			Public lons.
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14,	rom ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhœa.	Violence.	Deaths in P. Institutio
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	16.
GREATER LONDON	443,421	6,528,434	13.6	1.6	1704	360	409	-	66	13	37	43	15	30	94	518
INNER LONDON - OUTER RING -	1 000 710	4,546,752 1,981,682	14·9 10·7	1.6 1.6	1297 407	264 96	300 <b>1</b> 09	-	51 15	11 2	25 12	26 17	11 4	20 10	73 21	456 62

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

-	,			and i	n certain	FOREIGN	CITIES.		,					
								DEA	THS	FROM	PRIN	CIPAL ES.	ZYMO	OTIC
CITI	es.	POPULATION (enumerated or estimated).	DAT OF RET Week er	URN.	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhæal Diseases
EDINBUE GLASGOV DUBLIN	V	298,927 733,903 349,594	July "	1 1	178 471 258	103 248 154 253	18·0 17·6 23·0 28·2	1 1, 1	2 11 -	6 1	2 1	5	2 - 1 91†	4 11 3 42‡
CALCUTT BOMBAY MADRAS	'A	466,460 821,764 452,518	May June May	20 6 19	155 318	565 305	35.8 35.0	4	-18 5	-	-	-	120† 56	57 72 39
PARIS - BRUSSEL	 s	2,511,629 551,011	June "	24 24	1101 253	886 185	18·3 27·8	-	30	7	11* 2*	6	8 2	26
AMSTERI ROTTERI THE HA	AM -	311,301	77 93 17	17 17 17	283 212 108	148 84 50	14·9 13·9 13·1	-			2 1	1 - -	1 - -	1 1
COPENH. STOCKHO CHRISTIA	OLM -	000,000	17 37 39	24 17 24	178 161 173	111 114 58	16 8 20 3 13 5		3 1	2 1 -	- 6* -	- -	-	6 10* 6
ST. PETE Moscow		000 000	97	17 17	587	549 578	25°3 30°5	<b>5</b> 8	21 4	4	21 9	5 4	14	50 133
BERLIN HAMBUR DRESDE BRESLAU MUNICH	N	675,351 - 389,300 - 406,012	27 27 27 29	10 24 3 24 17	829	217 - 216 215	17·5 16·7 - 27·7 25·1	-	16 - 2 -	11 1 - 6 1	9 1* - 3 1*	8 6 - 1	1	57 14 - 26 47
VIENNA PRAGUE BUDA-P TRIESTE	ESTH ·	1,606,629 380,497	97 97 91 99	24 24 17 17	977 - 482 92	643 - 275 80	20°6 - 21°4 25°0		18 - 3 -	6 - 5 4	8* - 4 1*	1 - 1	1 - 4 -	69 - 9 9
ROME - TURIN () VENICE	- 10 days) -	500,610 344,203 169,883	May June	27 10 10	172 - 88	142 - 71	14:8 - 21:8		- 1		- 1*	4 - -	2 - 2	13
CAIRO ALEXAN	DRIA	570,062 - 319,766	April "	15 15	_	-	-	-	-	-	-	-	-	-
NEW YOU GIRCLE BROOM PHILAD	ding KLYN)	3,550,053	June	. 10		1292 478	19.0	2 -	19	14	46 14	11 5	5 21	19 15
1										_			_	

<sup>\*</sup> Including deaths from croup.
Including 19 deaths from plague in Calcutta and 66 in Bombay.
Including 14 deaths from cholera.

					-	-					0,000	yıcı	-	00867		7700.							0
		Ozone.			0.0	0.0	0.0	0.0	0.0	0.5	8.0	0.1	26	300	dind	the the	num The	bles.	and eter,	eter.	ent,	th;	
Rain	collected in a	Gauge whose receiving	surfacels finches above the Ground.		0.00	10.0	0.00	0.00	0.00	0.54	65.0	Sum 0.74	25	ofthe	The means of the wet bulb	correct wenty y 1868 for	mometer mining m	rical Ta observati I mover	higher,"	ectrometer	Instrum	June 29	
		on's.	Depar- bure from Average of		Miles 35	+ 10	- 30	- 31	₹9 ÷	+ 38	+202	Sum +232	24	oon lexe	and th	ation on the transfer of the t	um and air(colu	ygromet nof the rizonta	icates" of the th	istering Eleweak; m.	nshine	A.M. on in. by ]	
rB,		Robinson's.	Horizontal Movement of the Air on each Day.		Miles. 208	265	218	216	315	290	459	Sum 1974	23	midnight	M., and 9h mometer	he applic aade duri y years (	e maxim maxim reofthe	discussion of per the 16 year	ıat + ind dexerror	Thomson's self-regist N. negative; w. we	Stokes Su	t the beg 1. by 4h. to 2934	-
nomete	_	he	Mean of 24 hourly obs.	;	1.0s.	0.1	0.5	0.1	0.3	0.5	6.0	:	22	htto	duce t 3h.P.	s by to	of the of the perature of the	oy Gla rom a and t	ind th	on's si	each c	7 10. a 19.61 in	week
om Ane		Pressure on the Square Foot,	Least.	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig	to re	value c recc the t	ading ings if tem	eters rivedf g 1890, creco	edfor	homs. N. ne	Cami	d to 2	of the
nced fro		Press	Great-	-	13	2-1	63 63	67	3.0	T.e	1.1	:	02	rom n	adings A.M.;	daily graphi uring	an read	rmom natder endin	born	rom T	m the	ed iro crease e 30th	e end
Wind as deduced from Anemometers	Osler's.	Direction.	P.M.		WNW, W.	W. NW.	i S	E. & NE.	W., WNW.	WS W.	SW.& WSW.	ariable	61	The results apply to the civil day, or from midnight to midnight.	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 48th. A., i. noon; 8th. P.M., and 9th. P.M. and the west build the eye-readings of the barometer, the dry builb thermometer, and the west build	thermoneter, acconverted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the	thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum combined the corrected mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of immidity are deduced from the mean	daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. The average temperature of the abrist hadderived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the anenometric records for the 16 years ending 1870.	In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and "Jouer," than the average.  The valuesgiven in column 17 are not corrected for the index error of the thermometer, hich cannot be determined.	The record of Electricity is derived from Thomson's self-registering Electrometer he symbols employed are: -P. positive; N. negative; w. weak; m. moderate strong and veryclable.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	The resulting of the Datometer increased from 25% in, at the Degrinning of the week to 3013 in, by 9h. A.M. on June 27th; Jeacressed to 29% in, by 4h. A.M. on June 29th; increased to 29% in, by 1h. A.M. on June 30th; decreased to 29% in, by 1lh. A.M. on June 30th; decreased to 29% in, by 1lh. A.M. on	9.40 in. by th
		General Direction.	A.M.		NNW.	WSW.SW.	N. NNE.	E. & ESE.	NNE.	NW., WSW.	S. SSW.	Vari	18	pply to the	as been applare usually gs of the b	re converte discussion r the baron	With the corrected reforming the point temp	the dry and emperature wich during a discussion	In reading columns 9 and 24  - "lower," than the average.  The valuesgiven in column I which cannot be determined.	The record of Electricity is care:— The symbols employed are:— strong and very sheet	in column 28 gate duratio	or the paror h. A.M. on Ju 81 in. by 10h	ncreased to
JRE,		Of the Earth	3 feet below the Surface,	·c	59.75	22.69	29.80	82.09	00.20	18.09	81.19	08.09	17	esultsa	ection h	meter, a d from s 1873 fo	meters. ed the meters, aily dev	weraget veraget t Green ir from	ding co er," than aluesgi	ecord o	umbers 1e aggre	reading in, by 9 ed to 29	t; and i
TEMPERATURE.		tion	Lowest on the Grass.	o	43.1	52.3	46.5	45.3	49.5	45.8	52.9	47.4	16	Ther	no corr Obser the eye	thermod deduced ending	thermo combin thermo mean da	daily ve Thear made at of the a	In rea - "lowe The v	The r	Then show th	to 30.15	July 1st
TEM	*0	Radiation	Highest in Sun's Rays.	C	6.06	142.8	144.6	148.3	141.1	142.0	138.4	135.4	15		rain	very				evening;			
	)egree	of Hu- midity (Satu-	ration equals 100).		70	89	74	99	61	63	22	89	14	pά	slight rain	ning;	with syvercas	part reast a nd thu	with Light ing.		Slight thunder- etween 3h and		
мееп			Least		3.8	1.5	3,4	2.4	5.6	1.5	1.8	10.01	13	GENERAL REMARKS	overcast; frequent A.M. and 4h. P.M.	Cloudy with rain in early morning; very ne and partially cloudy afterwards.	morning; very fine with small cloud till noon; overcast till fine afterwards.	Cloudy in morning; fine and partially outy till 5h. P.M.; generally overcast afterards with frequent lightning and thunder	no occasional sugnerant.  Overcast in morning; fine with large mounts of cloud afterwards. Lightning ad very distant thunder in evening.	cloudy till	ع		
nce bet	the Air Temperature	Temperature.	Great-	ç	13.7	50.6	15.2	25.8	24.1	23.6	12.1	19.4	12	LRE	t; fre	in ear	till no terwan	ng; fl genera t light	ning; afterw	y clou fterwa	wery.		
Differe	the Air	Ter	Mean daily value.	c	6.6	11.0	8.4	11.5	14.0	12.6	7.4	10.2	11	NERA	vercas	ally ch	lorning loud fine af	morni P.M.; g	l singn loud loud unt thr	artiall rain a	nd showery.		
	Of the	Dew point.	Mean daily value.	c	48.3	9.19	52.4	9.19	51.2	6.24	52.0	9.19	12	GE	ally o	y with	y in m s of c	y in sill 5h. vith fr	ast in a of c	and partially twith rain aft	Variable and	A.M.	
E.		1	De- parture from Average of 50 years.	c	1 3.1	+ 7.2	9.0 -	+ 1.8	+ 4.0	2.0 -	- 1.9	+ 1.0	6		Generally overcast; freque between 10h. A.M. and 4h. P.M.	Cloudy with rain in early morning fine and partially cloudy afterwards,	Cloudy in morning; very fine amounts of cloud till noon; 7h. PM; very fine afterwards.	Cloudy in morning; fine and partially cloudy till 5h. P.M.; generally overcast afterwards with frequent lightning and thunder	and occasional signification.  Overcast in morning; fine with amounts of cloud afterwards. Ligand very distant thunder in evening.	Fine and partially cloudy overcast with rain afterwards.	Variable a storm with	4h. 45m. A.M.	
TEMPERATUR		.	Mean daily value,	c	58.2	9.89	8.09	63.1	65.5	2.09	59.4	62.3	$\int_{-\infty}^{\infty}$	Sun above Horizon, in hours.	9.91	6.91	16.2	16.5	16.5	16.5	16.5	Sum 115.6	00
PEMPE	Of the Air	or the A	Daily Range.	0	13.9	23.4	18.3	24.7	19.3	20.7	14.8	19.3	7	red Sur ne Ho rs. in ]									
			Low- est	٥	2.19	57.4	52.8	0.10	2.12	52.3	53.6	53.8	9	Registered Sunshine in hours.	1.2	10.5	3.1	4.8	10.4	7.3	9.9	Sum 43.9	90
			High-	0	1.99	8.08	11.1	76.5	2.92	73.0	2.89	73-1	10		nt -	nat -	- tno	P.M.; fter-	- tno	P.M.; fter-	till trer-		
BARO-	Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	.5	30.009	30.025	30.124	29-782	29.664	59.739	29-364	29.819	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. throughout	till 7h. 1 I v. N. a	w. P. throughout	till lb. 1 lw. N. a.	nd v. N.		0.7
	101	Phases	Moon.		Perigee	:	:	In	in the state of	Last	· ·		3	ELE (For ex symbol	w. P. t	w. P. t	w. P. t	w. P. till 7h. P.M.; v. P. and v. N. after- wards.	W. P.	w. P. till Ih. P.M.; w. P. and w. N. after-	wards. v. P. and v. N. till 5h. P.M.: w. P. after-	wards.	
			Q.		- 25	- 26	- 27	88	29	30	-	1	- uu		- 32	56	27	78 78	53	30	-		-
	1899.		MONTH AND DAY	JUNE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY -	MEANS	No. of Column	DATE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		NT - P (1)

LONDON:
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1899.

### · OFFICIAL COPY.

# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

### THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 27. 1899. Vol. LX.] WEEK ENDING SATURDAY, JULY 8. [Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, July 10th, 1899.

### THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 16.0 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	٦	Weeks	endin	g	Weeks ending
Towns.	June 17.	June 24.	July 1.	July 8.	Towns. June June July June 17. 24. 1. 8
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	15·8 19·4 17·0 16·4 15·9 11·4 17·2 21·7 9·0 13·7 19·6 20·8 13·6 16·5	13·6 16·8 13·1 13·8 14·8 15·7 15·3 14·3 15·7 8·2 13·2 17·6 13·9 16·1	12·7 15·4 10·4 13·5 14·8 14·8 15·1 18·9 13·5 16·7 22·5 12·8 13·6 17·4	14·5 12·9 12·3 14·5 12·1 14·0 14·1 15·2 10·6 12·7 15·7 16·0 17·6 15·4	Leicester   15.6   13.7   13.9   16 Liverpool   20.6   21.9   21.3   24 London   15.1   15.5   14.9   15 Manchester -   24.8   21.0   21.3   24 Newcastle-on-Tyne   15.5   18.3   14.6   16 Norwich -   14.7   18.9   13.4   12 Nottingham -   17.4   16.8   12.9   17 Oldham -   16.6   18.0   14.2   17 Plymouth -   17.6   19.7   13.5   18 Portsmouth -   15.0   14.2   15.0   11 Preston -   15.1   14.6   13.7   14 Salford -   22.0   17.4   17.9   19 Sheffield -   18.2   19.2   20.6   21 Sunderland -   17.9   15.4   16.1   15 Swansea -   17.1   15.1   13.1   12 West Ham -   11.8   13.9   11.8   10 Wolverhampton -   14.1   22.9   17.6   14

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1·2 in Sheffield, 1·3 in Liverpool, 1·4 in Portsmouth, 1·8 in Burnley, 1·9 in Salford, and 2·2 in Manchester; from scarlet fever, 1·1 in Halifax and 1·8 in Burnley; from whooping-cough, 1·1 in Portsmouth, 1·2 in Blackburn, and 1·4 in Burnley; and from diarrhæa, 1·3 in Nottingham, 1·4 in Birkenhead, 1·6 in Liverpool, and 1·7 in Sheffield. In none of the thirty-three towns did the death-rate from "fever" reach 1·0 per 1000. The 81 deaths from diphtheria included 31 in London, 7 in Leicester, 7 in Leeds, 7 in Sheffield, 6 in Liverpool, 5 in West Ham, 3 in Swansea, and 3 in Birmingham. Six deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained

In LONDON\* 2484 BIRTHS and 1310 DEATHS were registered. Allowing for increase of population, the births were 122, and the deaths 199, below the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been 15.1, 15.5, and 14.9 in the preceding three weeks, rose again last week to 15.0. During the four weeks ending on Saturday last the death-rate averaged 15·1 per 1000, being 1·8 per 1000 below the mean rate in the corresponding periods of the ten years 1889-98.

The 1310 deaths included 50 from measles, 12 from scarlet fever, 31 from diphtheria, 27 from whooping-cough, 7 from enteric fever, 28 from diarrhoea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 155 deaths were referred to these diseases, being 129 below the corrected average

weekly number.

The deaths from measles, which had been 64, 65, and 51 in the preceding three weeks, were 50 last week, the corrected average being 63; 6 cases belonged to Lambeth, 5 to Camberwell, and 5 to Whitechapel sanitary areas. The deaths from scarlet fever, which had been 7, 4, and 11 in the preceding three weeks, were 12 last week, the corrected average being 17; 3 cases belonged to Islington sanitary area. The deaths from diphtheria, which had been 35, 28, and 25 in the preceding three weeks, rose again last week to 31, but were 8 below the corrected average; 5 cases belonged to Camberwell, 3 to St. Margaret Westminster, 3 to Hackney, 3 to Lambeth, and 3 to Lewisham sanitary areas. The deaths from whooping-cough, which had been 35, 35, and 26 in the preceding three weeks, were 27 last week, the corrected average being 42; 5 cases belonged to Poplar sanitary area. The fatal cases of enteric fever, which had been 6, 6, and 11 in the preceding three weeks, fell again last week to 7, the corrected average being 8; 2 cases belonged to Poplar sanitary area. The deaths from diarrhea, which had been 12, 9, and 20 in the preceding three weeks, further rose last week to 28, but were 83 below the corrected average. Of the 28 deaths from diarrhœa, 21 were of children under 5 years of age; 17 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 207, 190, and 159 in the preceding three weeks, rose again last week to 194, and were 11 above the corrected average. The deaths attributed directly to influenza numbered 11, having been 13, 12, and 12 in the preceding three weeks.

Different forms of violence caused 49 deaths, concerning all but 2 of which inquests were held. Of these 49 deaths, 13 were cases of suicide, and 2 of homicide, while the remaining 34 were attributed to accident or Two of these were referred to vehicles in the streets, 3 to drowning, 1 to the effects of nitrous oxide administered for surgical purposes,

and 6 (of infants under one year of age) to suffocation in bed.

# CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2526 cases of scarlet fever, 1351 of diphtheria, and 94 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow: -Of scarlet fever, 315 cases, against 262, 335, and 302; of diphtheria, 218 cases, against 171, 204, and 225; and of enteric fever, 11 cases, against 20, 26, and 17.

<sup>\*</sup> Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox. Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous,

DEATHS of PERSONS BELONGING to LONDON and its SANITARY AREAS,
REGISTERED in the 13 WEEKS ENDING 1st JULY, 1899.

		1	Death	s fro	m Pri	ncipa	l Zyr		Diseas			Infants Year of	1 Year Births
SANITARY AREAS.	Total Deaths from all Causes	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping cough.	Typhus.	Enteric Fever.	Simple and undefined Fever.	Diarrhœa.	Deaths from Phthisis.	Deaths of In under 1 Yes	nder 00 red.
REGISTRATION LONDON	18,317	1	694	84	353	526	-	84	- !	141	1,935	3,805	113
West.	450		9		e	17				4	32	79	99
Paddington	456 647 459 503 410 253 241 77	1111111	2 3 14 11 1 9 6	2137 423	6 37 9 7 32 -	11 29 17 18 10 2 1	11111111	1 2 2 1 4 1	1 1 1 1 1	4 2 3 7 - 1	52 47 52 52 45 27 29 15	72 110 92 143 55 35 39 13	124 119 129 90 107 132 108
North.				,		7.0				0	00	00	00
St. Marylebone Hampstead St. Paneras Islington Stoke Newington Hackney	571 225 1,036 1,281 104 868	_1/ 	7 12 37 56 5 61	3 1 6 5 1 5	6 3 29 13 1 16	10 3 38 55 2 9	11111	4 4 1 3		6 8 10 1 6	62 16 114 132 7 81	90 40 201 258 16 183	89 93 116 106 81
Central.													
St. Giles St. Martin-in-the-Fields - Strand Holborn St. Luke City of London	174 43 115 183 280 258 121	111111	3 2 1 6 12 9 3	1 1 1 1 1 1	1 4 1 4 - 3	- - - 6 7 6 2		2 4 - 1		3 - 1 2 4 2 -	30 4 10 22 31 30 16	27 9 15 40 61 45 16	99 346 122 208 122 107 123
East.													100
Shoreditch	561 590 371 296 354 509 745		28 24 16 25 39 14 38	2 1 1 1 1 - 3	12 9 4 3 9 7 15	11 12 7 7 11 21 31	111111	1 3 2 2 2 3 6		7 19 3 4 3 4 5	53 80 54 27 30 51 90	139 133 98 85 78 107 174	139 114 114 142 160 96 121
South.											00	70	7.05
St. Saviour St. George-the-Mar. Southwk. Newington St. Olave	124 339 581 37 428 184 1,215 531 671 940 698 122 323 195 198		2 8 12 1 8 1 73 10 8 51 54 8 11	5 1 4 3 - 2 6 - 1 2 -	2 16 26 - 14 2 31 9 13 24 17 4 13 2 2	4 15 28 - 15 4 43 22 16 29 12 3 5 1		2 4 -3 1 7 1 3 -4 1 1		1 5 2 1 - 3 1 4 4 3 1 1 4 3	20 48 64 4 42 11 119 69 68 92 74 15 21 24	18 89 131 5 97 41 259 138 150 212 136 19 53 40 43	105 168 127 163 133 132 108 110 104 116 101 70 124 83

In the above Table all deaths of persons in, or on the way to, Hospitals and other Public Institutions, as well as those of persons under treatment in surgical homes, or dying by accident or otherwise in the streets, have been distributed, as far as practicable, to the sanitary areas in which the deceased had previously resided. The deaths of 449 London residents who died outside Registration London in the Strand Union Workhouse at Edmonton, the Holborn Union Workhouse at Mitcham, the City of London Lunatic Asylum at Stone, and the Metropolitan Hospitals and Asylums, have been similarly distributed. In 526 cases the previous residence was outside Registration London, and these have been excluded from the Table.

### GREATER LONDON.

In Greater London 3495 births and 1710 deaths were registered, corresponding to annual rates of 27.9 and 13.7 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 1 from scarlet fever, 12 from diphtheria, 13 from whooping cough, and 11 from diarrhea were registered. Five deaths from measles occurred in Edmonton district; 6 deaths from diphtheria occurred in West Ham district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.90 inches, and that of the Thermometer 62°3; the latter being 0°4 above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 5 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 31.4 hours; the measured rainfall amounted to 0.13 of an inch.

### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of June 1899. The supply was in the ratio of 266 gallons to one service.

COMPANIES.		Number o	f Services.		ly of Water llons.
COMPANIES,		JUNE, 1898.	JUNE, 1899.	JUNE, 1898.	JUNE, 1899.
TOTAL SUPPLY	an.	861,711	882,864	215,691,559	234,661,844
From Thames From Lea and from other Sources	-	414,708 447,003	423,481 459,383	114,516,958 101,174,601	126,205,109 108,456,735
THAMES.  Chelsea  West Middlesex  Southwark and Vauxhall  Grand Junction  Lambeth	11111	37,926 82,546 121,745 62,614 109,877	38,306 84,248 122,866 64,575 113,486	12,358,121 23,124,933 33,324,403 20,540,434 25,169,067	14,412,567 24,650,120 35,135,630 22,794,262 29,212,530
LEA AND OTHER SOURCES.  New River		164,354 194,871 87,778	166,766 201,194 91,423	38,403,963 45,766,743 17,003,895	43,482,015 45,471,272 19,503,448

Note.—The Return for June 1899, as compared with that for the corresponding month of 1898, shows an increase of 21,153 services and 18,970,285 gallons of water supplied daily.

### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JUNE, 1899.

Water-analysis Laboratory, The Yews, Reigate,

28th of June, 1899.

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of June.

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing mains.

I append, also, the results obtained in the analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

Taking the average amount of organic impurity in a given volume of the Kent Company's 

New River Cut 2.2, and Lea at Angel Road 5.4.

The Thames at Hampton was, on June 20th, turbid and pale yellow in colour. It was of irly good chemical and bacterial quality. The water supplied by the five Companies fairly good chemical and bacterial quality. drawing from this river was, in every case, efficiently filtered before delivery; and was of excellent quality for dietetic and all domestic purposes. The Southwark Company's general supply from Hampton, however, seriously infringed the bacterial standard of 100 microbes per cubic centimetre. In comparison with the water passing the intakes, the bacterial improvement effected by the Thames Companies is expressed by the following percentage numbers:—Chelsea 99'31, West Middlesex 99'65, Southwark (general supply from Hampton) 89'86, Grand Junction (general filter well at Hampton) 96'48, (general supply from Kew) 98'07, (South filter well at Kew) 99'31, and Lambeth 99'59.

## Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR I	COMPANIES OCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Jentigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.	June 20th, Grand Junction Co.'s intake at Hampton.	0 19.0	26.80	.281	·054	.006	·134	193	1.7	19.7
	Chelsea	June 23rd, Cab Rank, Horse Guards, Whitehall.	18:2	25.81	122	.013	0	<b>1</b> 65	·178	1.7	18'0
	West Middlesex -	June 23rd, Cab Rank,Riding House- street.	15.5	25.90	124	*015	0	<b>·1</b> 63	·178	1.7	18.0
	Southwark	June 23rd. Cab Rank, Bricklayers' Arms, Old Kent Road.	18.5	25.96	·124	·0 <b>1</b> 4	0	128	·142	1.0	18:3
	Grand Junction	June 23rd, Cab Rank, Portman- street, Oxford-street.	18.7	25.94	•130	.012	0	·144	·156	1.7	18.0
Enner Circle.	Lambeth	June 23rd, Cab Rank, St. George's- road, Southwark.	19:1	26:30	· <b>1</b> 32	.016	0	·171	•187	1.7	19.1
Inne	LEA. (Unfiltered water) -	June 22nd, New River Cut at Green Lanes.	16:3	33.03	.118	<b>.</b> 012	*008	·156	·178	1.8	21.5
:	New River	{ Cab Rank, Tottenham } Court-road.	17:7	31.46	.061	•007	0	·176	·183	1.8	20.0
	(Unfiltered water) -	June 22nd, Lea at Angel-road.	18.7	29.76	271	·046	.012	*137	·193	2.0	20.0
	East London	{     June 23rd,     Cab Rank,     Sidney-street, E. }	17:8	28.50	118	*013	0	·113	·126	2.0	18.9
	DEEP WELLS.	June 23rd, Police Station, Blackheath-road.	13.5	37.70	*023	.003	ó	*465	*468	2.1	27.2
Ouver Circle.	East London	June 22nd, East Ham Well.		40.52	.073	.020	.015	*014	.069	4.3	11.2
Cor	poration of Birming-	June 12th, Rear 277 and 279, High-street, Harborne.	16:1	33.2	18	•03	0	20	*23	2.2	18.0
Cor	poration of Glasgow†	June 15th, Loch Katrine water.	15.4	2.76	172	.021	0	.003	-024	0.6	1.4
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

<sup>\*</sup>Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 20th June at the Grand Junction Company's intake at Hampton had a temperature of 19.0° C.; 100,000 lbs. of it contained 26.80 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained 281 lb. of carbon and 054 lb. of nitrogen. The above quantity of water also contained 006 lb. of ammonia and 134 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 193 lb. The above weight of water also contained 1.7 lb. of chlorine, and 19.7 lbs. of carbonate of lime, or an equivalent amount of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

<sup>†</sup> Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was, on June 22nd, turbid and very pale yellow in colour. It was of excellent chemical and bacterial quality. After efficient filtration, it was delivered in excellent chemical and bacterial condition. The reduction in the number of microbes amounted to

98.51 per cent.

The water drawn from the Lea at Angel Road by the East London Company was, on June 22nd, turbid and pale yellow in colour. It was of fairly good chemical but indifferent basterial quality. After filtration, it was delivered in excellent chemical condition; but it was slightly turbid from inefficient filtration, and the suspended matter was, under the microscope, found to consist chiefly of rust-stained particles with a few small moving organisms, which settled down quickly. The Middlesex filters were delivering water containing a slight excess of microbes over the standard, but all the other filters exhibited high bacterial efficiency. Compared with the water passing the intake, the bacterial improvement effected by this Company is expressed by the following percentage numbers:—No. 1 Essex filters 99, No. 2 Essex filters 99.22, and Middlesex filters 97.59.

The deep well water of the Kent Company was clear, bright, and and almost microbe-free without filtration, but that of the East London Company was very slightly turbid from a little indefinite vegetable matter and rust of iron probably derived from the mains. Both waters were of excellent quality for dietetic and all domestic purposes.

Seen through a stratum two feet deep, the Kent Company's water was clear and colourless, the East London (deep well) very slightly turbid and colourless, the New River clear and nearly colourless, the East London (river supply) slightly turbid and very pale yellow, and

the remaining waters clear and very pale yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the iltered supplies delivered by the various Companies, collected on the 20th, 21st, 22nd and 23rd of June, yielded, after prolonged incubation, the results contained in the following

Table :-

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, June 20th, 1899 —	2,900 880 980 420 1,540 300 4,900 1,660	0 196 187 ———————————————————————————————————
FILTERED RIVER WATERS AS SUPPLIED.  THAMES.  Chelsea Company's general filter well, June 20th West Middlesex Company's general filter well, June 21st Southwark Company's tap on filtered water main at Hampton works, June 20th Grand Junction Company's general filter well at Hampton, June 20th " " tap on filtered water main at Kew Bridge Works, June 21st South filter well at Kew Bridge, June 21st Lambeth Company's general filter well, June 20th	20 10 29 1 102 56 20 12	19'0 19'0 19'3 — — 19'3
LEA.  New River Company's general filter well, June 22nd East London Company's No. 1 Essex filters, June 22nd	23 54 38 118	17.6 17.5 17.4 17.8
DEEP-WELL.  Kent Company's "New" Well at Deptford, June 23rd	1	11:3

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied

br. Hill, F.R.S., metatal Officer of Health for Drimingham, reports that all the total City was, on the 12th of June, "clear and pale green in a two-foot tube."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on the 15th of June, "light brown in colour, and contained a little suspended matter." The temperature was unusually high.

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CITIES	AND BOROUGHS		Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	CARDIFF	SWANSEA.	WOLVERHAUPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BULTON.	MANOHESTER.	SALFORD.	BURNLEY	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	GATESHEAD.	NEWCASTLE.
	Centi-	u uI	24.	0.84	0.33	1	9F.0	80.0	0.03	00	0.40	1	62.0	1	92.0	1	3.38	ı	1	0.33	1	1	1 1	ł	1	1	0.58	ı	2.16	1	1	t s	1	ı
	ерев.	a <b>r</b> ar	73.	0.33	0.13	'	0.18	0.03	0.01	0.11	770	1	0.31	1	0.30	1	1.33	f	1	0.13	ı	1	1 1	1	,	1	0.23	,	0.85	.1	1	1 1	1	1
ın.	.abarg	itneO	22.	15.39	16.83	1	16.06	16.28	12.00	14.50		,	14.61	,	14.83		14.73	1	1	13.89	t	,	: .		1	,	12.17	1	17:50	,	ı	, 1	1	ı
Mean	tiedas.	Tahr	21.	2.69	62.3	1	6.09	61.3	9.59	1 0.0	7 00	ŧ	58.3	į	2.89	,	58.5	1	ı	0.29	1	1	1 1	,	,	,	59.3	,	6.69	1	ı	1 1	1	t
-	Lowest	heit.	20.	0.97	50.4	ı	49.0	53.0	21.0	78.0	0 1	1	48.6	1	9.19	1	46.3	ı	1	50.5	,	ı	, ,	,	1	ı	9.6	1	49.8	-1	1	1 1	1	1
•	Highest	Fahrenheit,	19.	80.2	80.1	1	2.08	9.74	19.0	10.07	0 1	ı	75.9	1	9.92	1	8.11	1	,	6.99	,	ı	1 1	,	ſ	1	0.92	ı	8.92	1	ı	§ 1	1	1
eaths.	rom sees in .6-12.	Fises Dises	18.	2.1	1.8	2.1	1.6	ı	3.0	0.0	0.00	3.0	1.8	6.1 5.1	6.0	5.4	5.6	1	1.8	4.7	5.7	0.00	1.5	0.9	1.6	6.0	1.5	-		2.1	4.0	1:1	1:5	6.0
to the Week's Death	LA m	.g)	17.	16.0	15.0	10.8	9.01	14.0	8.11	1.9.1	15.2	12.1	14.7	12.9	12.9	16.3	17.0	12.7	14.5	24.5	14.5	24.8	# £ 1 17:3	1.91	12.3	9.71	9.21	0.91	[2]	1.CI	51.0	15.8	12.4	9.91
	ncertified Bea to Bea	UBO	16.	41	6	<b>C3</b>	1	1	1	1		1			ı	ा	~	1		14	ı		77		-	,	,		,	-	4			
*8	Deatha in Public notitution	1I	15.	793	114	00	ಣ	10	9,	# 0%	5 5	কা	ಣ	13	9	13	19	0			က	28	9		5	1	9	<b>₽1</b>	13	77 6	200	11	3	6
	est Cases		14.	292	120	20	67	6.1	e4 c	d re	<u>ල</u>	ന	-	7	7	2	<u></u>	9	67	16	9	ee e	9 m	-	কা	ಣ		4	2	07	ο u	2 4	ಣ	r-
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TO STD	sons aged Years Easwan	Peri 60	5.	793	329	6	<u>_</u>	2 2	I	1 18	7	∞	9	24	12	12	F 15	•	0.1	92	7 5	12	7 17	œ	10	6	11	9	51	77 5	2 7	101	2	10
1890	nts under Year of Age.	sluI	4.	865	599	27	00 1	9	9 1	17	12	ಣ	10	4	9	19	 	#	18	 50 t	- 0	00 00	30	2	<b>с</b> ъ :		4	2	9 8	50	± 6	6	00	19
1899,	BIRTHS, DEATHS.		er3	3496	1310	62	26	66	43	8 6	54	24	25	127	89	2.9	78	97	32	294	45	. 527	200	35	32	69	35	30	55	140	647	44	322	73
stn July 1899,	SIRTHS,		63	6495	2484	155	9	53	106	189	101	20	62	310	69	134	121	na	17	419	77	3/8	67	20	. 92	22	51	52	777	230	156	118	72	132
	middle of the Year 1899.*		1,	11,404,408	4,546,752	300,241	127,759	123,226	180,741	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,002	150,772	113,081	135,154	117,622	103,464	97,721	236,241	423,889	934 970	145,613	106,552	228,625
S	HB,		Cols.	52	1	1	1		· ·	1	1	1	MPTON	- M1	1	ı	- M		- 07	1		ER	1 1	1	- 1 N	1	ELD -	1	1	1		- 0	(	1
OILIES	AND BOROUGHS,			33 TOWNS	LONDON	WEST HAM	CROYDON	BRIGHTON	PORTSMOUTH DIVING	BRISTOL	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM	NORWICH	LEICESTER	NOTTINGHAM	DERBY -	BIRKENHEAD	LIVERPOOL	BOLTON	MANCHESTER	OLDHAM	BURNLEY	BLACKBURN	PRESTON	HUDDERSFIELD	HALIFAX	BRADFORD	CHEEDS -	HILL -	SUNDERLAND	GATESHEAD -	NEWCASTLE

TABLE 2. LONDON.—Births and Deaths Registered in the TWENTY-SEVENTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	. 1898	Corrected Weekly Ayerage in 10 Years 1889-98.**	1899
TOTAL Births  Males Females -	2507 1285 1222	2480 1300 1180	2453 1209 1244	2564 1315 1249	2220 1096 1124	2254 1158 1096	2651 1342 1309	2446 1279 1167	2689 1401 1288	2502 1235 1267	2605·7 1327·3 1277·9	2484 1247 1237
TOTAL <b>Deaths</b> -  Males - Females -	1350 720 630	792 689	1352 743 609	1405 726 679	1847 969 878	1314 696 618	1519 802 717	1552 783 769	1293 712 581	1232 622 610	1509·3 796·0 713·3	1319 705 605

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twenty-seventh week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

		1	n Hos	SPITA	LS, in	the I	ast T	HIRTI	CEN W	EEKS	o				2
•			Apr. 15.	Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.
TOTAL Births	-	-	2875	2759	2693	<b>26</b> 23	2574	2598	2306	2678	2445	2571	2422	2441	2484
TOTAL Deaths		-	1624	1499	1478	1397	1428	1419	1363	1483	1365	1316	1355	1297	1310
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ \end{array} \begin{vmatrix} \textbf{Under 1} \\ \textbf{1-5} \\ \textbf{yea} \\ \textbf{5-20} \\ \textbf{20-40} \\ \textbf{40-60} \\ \textbf{60-80} \\ \textbf{30} \\ \textbf{80} \\ \textbf{years a} \\ \end{matrix}$	ars -	ards	320 195 79 225 341 378 86	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59
Deaths from— Small pox - Measles - Scarlet Fever Diphtheria - Whooping-cough	h = -	·, [.	34 6 20 54	51 7 29 47	45 6 26 54	36 10 21 47	49 2 40 39	51 9 24 39	61 5 23 34 -	67 4 24 33	93 5 28 27 -7	64 7 35 35	65 4 28 35	51 11 25 26	50 12 31 27 -
Enteric Fever Simple Continue Diarrhœa and Dy Cholera		7	14 4 1	7	10	7 12	8 - 9	6 12	10	13	12	12	9	20	28
All the above Di	seases		133	144	145	133	147	141	137	147	173	159	148	144	155
Dis. of Respirato Phthisis Dis. of Circulato Violence - Inquest Cases - Deaths in Public I	ry Syste	m - - -	343 173 147 83 156 509	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414
TEMPERATURE OF Mean Mean of Highest Mean of Lowest	reading	s -	43·9 52·2 37·2	43.4 52.3 34.7	50°1 57°3 '41°1	46.4 55.3 37.2	50.9 62:2 41.7	54·4 62:7 48·3	49.5 57.1 43.2	58·4 70·8. 43·6	61.1 73.3 49.1	56·3 69·3 45·1	60.7 69.7 53.7	62·3 73·1 53·8	62·3 71·9 54·3
Humidity of the A	ir		-80	75	76	67	75	75	78	60	64	67	73	68	71
Rain-fall (in inche	s) -		1.27	0.43	0.79	0.00	0.01	0.97	0.66	0.00	0.00	0.00	0.21	0.74	0.13
Registered Sunshir	ne (in ho	urs)	21.9	26.5	17.8	49.7	43.0	33.9	29.3	95.9	72.1	68.0	26.2	43.9	31.4
	s of In	FEC		SICKN		N Hos	PITALS	8* AT	THE E	ND OF	EACH	I WEI	šĸ.		
Small-pox Scarlet Fever - Diphtheria - Enteric Fever -		-	2126 1068 129	3 2144 1034 125	3 2131 997 124	2139 1040 118	2210 1065 107	2161 1066 99	2201 1111 102	2212 1134 - 93	2263 1153 97	228) 1170 93	2367 1230 109	$\begin{bmatrix} 2 \\ 2430 \\ 1280 \\ 105 \end{bmatrix}$	2526 1351 94

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 2.) The following gentlemen have kindly placed their neteorological observations at the dispetal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esc., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Sistol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Bobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M. Inst. O. E., Bradford; and Mr. E. Peak, Hull

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4. TWENTY-SEVENTH Week of the Year 1899.

	16	1			-		=	_	1	Week of the Year 1899.	118	1	7	4%-	W	ole o	di-		-
	for the	-	In Satur	day,	8th	July	1899	),			for the 10 years		Satu	rday	, 8th	Jul	y 189	9.	
			Des	ths th	of P e Ag	erso: ges	ns of						De	ths t	of I	erso ges	nso	t	
USES OF DEATH	ted Averages Week of the 1889-98*,	ES.		nder 30.		der 40.	der 60.	der 80.	and ls.	CAUSES OF DEATH	ek of the 1889-98*,	as.		nde 20,	r	under 40:	under 60.	under 80.	and s.
	Corrected 27th We	ALL AGES	0-1	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 years a		Corrected 27th Week	ALL AGES	0-1.	1-5.	5-20.	20 and un	40 and un	and	86 years
AUSES	1509:3	1310	<b>2</b> 99	184	86	157	255	270	59	Diseases of Circulatory }	113.4	114	-	2	11	14	32	51	4
Vaccinated to Unvaccinated No Statement es	0.5 0.5 0.6 62.5 16.6 0.1	50 12	- - 13 1 -	33 8	42	1	1.1 1.1 1.1		111111	Croup	4.2 78.9 78.8 4.6 16.3	77 98 5	- 10 27 2 3	-	- 4 -	- 13 3 -	17 18 - 4	32 14 - 4	-
sing Fever	8.6 41.8 39.2 0.3 7.8 3.8 110.7 0.2	11 27 31 - 7 - 28 -	10 1 - - 16 -	1 15 17 - - - 5 -	2 12 - 2 -	3 1 -	5 - 2 - 1	4 4	1 - 1	Dentition Quinsy, Sore Throat - Enteritis } Gastro Enteritis - Peritonitis Diseases of Liver - Other Diseases of Digestive System	10.7 2.2 37.4 { 7.3 26.5 34.9	3 1 14 21 5 27 33	1 - 8 17 1 1 1 8	2 1 1 - - 1	331-	- - 1 3 5	- - 14 9	- 2 1 2 8 10	- 1
ophobia	0·1 0·2 8·5 2·5	1 2 2	1 2		1 1 1 1 1	- - 1	-	- - 1	1 1 1	Diseases of Lymphatic System & of Ductless Glands	2.1	1	-	-	-	-	1	-	-
nia and Septicæmia beral Fever – – Zymotic Diseases	1.8 4.3 1.9	223333	1  1	1	-	3				Diseases of Urinary } System }	39:2	41	1		2	10	14	16	1
sh ns and other Para- cal Diseases -	1·1 0·3	-	<del>-</del>	-	-	-		-	-	Diseases of Generative } System Accidents of Childbirth-	6.6 5.4	7 3	-		-	4 3	2	-	1
				-	_	-	-	-	-	Diseases of Locomotive }	5*7	8		2	2	1	1	1	1
ation, Want of ast-milk	9.8	11	-	-	-	6	5	-	-	Diseases of Integumen- tary System-	6.0	5	1	-	-	-	2	2	-
matic Fever, eumatism of Heart matism - ets - er s Mesenterica - reular Meningitis isis - iula, Tuberculosis - r Constitutional leases	4 9 1 8 2 4 5 8 75 5 25 1 27 4 136 5 20 9 12 9	6 2 1 2 74 20 32 139 13 9	15524	21 21 10	2 1 5 15 3 1	9-491	ī	1 1 1 - 36 - 8 - 2	1 2 - 1 - 1 -	VIOLENT DEATHS:  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks. (exclusive of Drown- ing) In Building Operations - In Conflagrations - By Burns, Sealds, Ex- plosions -	52:3	1 2 - 3		- - - 1	1	1	1		1 1 1 1 1
nature Birth letasis lenital Malforma-) las lage	44.6 3.7 7.3 40.0	52 3 11 50	52 10	3 -		1	_	24	-	By Drowning By Suffocation in Bed - By Poisonsor Poisonous Vapours Other or not stated causes		3 6 2 17	2	-	1	3	7	1	1
olexy	39°3 7°0 47°6 75°6	39 5 29 56	25	3	1 - 6 - 8 6	-	1	19 1 17	-	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Execution	0°9 9°7 0°1	2 13 -	111		1 -	1 6 -	4	- 3	1 1 J.
ases of Organs of ceial Sense -	2.5	4	1	1 2	1	-	-	-	-   -	OTHER CAUSES	59.3	43	38	1	-	71/2 000	1	2	3 ]

The numbers in this column are the average weekly deaths for the total value of the column are the average weekly deaths for the total value of the column are the average weekly deaths for as "unvaccinated" which are so certified by registered itself men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the e of death is not certified by a registered practitioner, the case is returned under the heading "no statement." The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of dent, murder, manslaughter or suicide. All such causes are classed under "accident"

CABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in each

				T			The	DEA:	resr	egiste	red d	aring	the W	eeki	neluc	le		
The Mark the State of	Enume-			Des	thsoi	1				Deatl	hs fro	m.	1				iona,	of
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Meagles.	Scarlet Fever	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhos.	Violence,	Inquest Cases.	Deathsin Publicinstitutions	Uncertified Causes
LONDON -	4,411,710	2484	1310	299	329	-	50	12	31	27	-	7	_	28	49	120	414	g
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS - METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	394 526 108 478 978	222 274 67 274 453 20	46 58 16 75 104	66 74 9 64 108 8	-	4 6 1 16 23 -	4 3 - 3 2	4 6 7 1 20 -	3 6 1 8 9	1 1 1 1 1	1 2 1 3	-	1 5 1 9 12	6 14 4 10 15	17 35 7 31 30	80 87 34 89 104 20	1 1 - 7
	90,996 33,510	53 5	13 9	4 -	3	_	-	_	-	-	-	-	-		1 -	1	3	-
Ken sington Town $Ww$ W. Brompton $HH$ W & C.	122,164 48,301	57 18	38 5	13 -	12 4	-	2	-	-	-	~-	-	-	-	1	2	15 2	-
North Hammersmith $H$ South Hammersmith $H$ W. & G Fulham $Ww$ W. & C.	44,638 59,561 113,781	28 26 90	18 13 45	6 4 11	7 3 8		- - 1	1 - 3	3	- - 1		- 1	-	1	- 1	3 - 1	3 14	
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	15 25 13	10 13	- 1 2	- 4 6	111	1 1 1			- 2	-				- - 1	1 2	7 2	
May Fair W G. Belgrave WHHH C. St. John Westminster HH - C. St. Margaret Westminster H- C.	23,827 56,140 31,492 22,097	4 30 9 6	9 22 9 9	1 2 2	7 6 4 -	1111	- - -	1111	ī -	1.1.1	1 1 1 1.	-		1 1 1 1	1 1 -	1 33 21 1	8 11 - 9	1 1 1 1
St. James Westminster $\left. \begin{array}{c} N. \& G. \\ WHH \end{array} \right.$ St. Anne Soho $HHHHHHH - N.$	23,050 12,048	12 3	5 2	1 1	1 -	-	-	1 1	- 1	-	-	-		-	-	1 -	1	1 -
NORTH DISTRICTS.  All Souls Marylebone   - W. HHHHHHHHHHH   - W. G. & W. St. Mary Marylebone   G. & W. HIHHH   - W. Hampsted   - N. & W. Hampsted   - N. & W.	36,595 19,798 19,637 32,547 32,611	11 11 18 11 14	12 1 4 8 9	1 2	2 - 2 4 3	1 1 1 1	117711	1111	1	-				2	- 1 1	1 - 2 1	5 - 2	
Regent's Park Paneras HH - W. ottenham-court	75,449 37,341 26,757 29,426 32,161 16,669 98,410	29 17 10 22 16 11 58	19 5 15 16 10 9 17	3 2 2 3 4 2 5	8 - 5 - 22 4	1 1 1 1 1	1	1 - - - 1	1 - - - - -	- 3 - 1		1 1 1 1 1 1 1			1 - 5,4	3 - 5 4 2 1	6 - 10 5 3 7 4	1 1 1 1 1 1
$ \left. \begin{array}{c} \text{Jpper Holloway} \\ WWWwHH \end{array} \right\} N. \\ \text{slington South-west}  H - N. \\ \text{slington South-east}  - N. \\ \text{lighbury}  HH N. \\ \end{array} $	98,273 107,365 66,549 64,577	59 56 31 26	42 16 19 11	8 2 6 5	13 6 5	-	1 2 -	1		1 1	1111	1	-	ĩ	1	3 33 3	29	
toke Newington H - N. forth Hackney - E. & N. entral Hackney ww - E. & N. outh-west Hackney HHH E. & N. outh-east Hackney WwH E. & N.	33,485	$ \begin{array}{c} 13 \\ 12 \\ 29 \\ 43 \\ 29 \end{array} $	7 5 10 18 21	1 1 2 5 4	3 1 2 9		1	-+	- 2 2 -	1111	1111	-	1 1 4		- 1	1 2 2 2 2	- 3 2 11	11111

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein tamely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Districts han that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers are eceived. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signifies irand Junction Company; W. West Middlesex; C. Ohelsea; S. Southwark and Vauxhall; L. Lambeth N. New See note 2 on second page of this Return.

\* See note 2 on second page of this Return.

The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and were enamed North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES BLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE &c., registered in each planting the Week ending Saturday, 8th July, 1899—continued.

DISTRICT during the We	ek ending	g Satu	rday,	8th	July	7, 18	399-	-con	tin	ued.								
							Th	e DE	ATHS	regis	tered	durin	gthe	Weel	kinel	ude		
	Enume-			Dea	thsof	1				Deatl	as fro	m ·					uttons	of
STRATION SUB-DISTRICTS	rated Popu- lation 1895.	Total BIRTHS,	Total DEATHS	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox,	Meanles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever	Simple Continued Fever.	Diarrhœa	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes
ENTRAL DISTRICTS.				The state of the s		Markitan seasons												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	16,110 12,976 2,151	7 14 5	6	2 -	- 2 1	- - -	-	-		1			-	1.1.1		1 1 1	5	
in-in-the-Fields HHN.&C. WHH N. Inion Workhouse, Edmonton	13,077 11,839 †1,037	4 3 -	8 -	ī		-	-					-	-	111	ī -	- 2 -	4 4 -	
n wHHHHHHH - N. es Clerkenwell - N.   Clerkenwell - N.   Lstreet N. ad HHHL - N.   Cy - N.   Union Workhouse, am - Workhouse, }	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	8 5 20 6 26 3 3	18 2 3 1 9 2 -	5 - 1 1 5	- 2 1 1	1111111	1	THEFT	1111111	1 1 1 1 1 1 1 1	11111111	1 1 1 1 1 1	1 1 1 1 1 1 1 1	1	1	1 - 1	14 - 1 - 1	111111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	222	1 9 1 1 -	ī	1	11111	1.1.1.1.1	111111	11111	111111	11111		11111	11111	1 1	1 2 -	5	
EAST DISTRICTS.  tch South $HI$ - E. & N.  New Town $w$ - N.  Old Town - N.  ston $WH$ - N. & E.	17,975 29,575 27,645 47,163	18 18 18 22	9 10 7 25	3343	3326	1111	2 -	1111	1111	1111		1111		111	1 - 2	1213	- 4 - 8	1111
Green North $H$ - E. Green South E. Green East $WHl$ - E.	49,301 34,194 45,667	27 21 33	14 8 29	6 2 6	1 2 12	1.1.1	2 1 -	 	1 1 1		-	1 -			-	2 1 2	2 - 18	-
olds E.&N. d New Town* WH - E. on's Fields* E.	26,681 } 51,995 {	16 31 13	10 34 -	3 6 -	2 3 -	111	23 -	7 - 1	-	- 1 -	-	-	-	ī -	2 -	3	29	
ge's North E., St. George East W E.	39,576 7,930	27	11 8	4	2 4	-	1 -	-	-	1	-	-	-	-	1	2 -	6	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	6 9 28	6 6 11	2 1 4	- 3	1 1 1	- 1	-	-			-	-	1 1 1		1	6 -	=
$\left\{ egin{array}{ll}  ext{d Old Town West} & H & E. \\  ext{d Old Town East} \\  ext{out} \end{array} \right\} - E.$	} 111,060	<b>55</b> 28	15 14	22	6	-	1	-	-	ī	-	-	-	-	-	3	2	4 -
y wwwH E.	41,687 69,821 57,759	25 47 34	4 38 15	2 15 6	1 9 4		2	. 1 1 1	1 1 1	5 -				2 -	2	6 2	14	111

† Population in 1891, not included in the total population of the Central Districts or of London, techapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5 LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox Meas Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in & Sub-District during the Week ending Saturday, 8th July, 1899—continued.

(1				. ,			The	DEAT	HS re	gister	ed du	ring t	he W	eek ir	clud	8	
	Enume-			Deat	hsof				D	eaths	fron	1					ations
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896,	TotalBIRTHE.	Total DEATHS,	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever,	Simple Continued Fever.	Diarrhoes.	Violence,	InguestCases.	Deaths in Public Institutions
SOUTH DISTRICTS.	·																
$\begin{array}{c cccc} \text{Christchurch Southwark} & \textit{W}.\textit{HL.\&S}.\\ \text{St. Saviour Southwark} & - & S.\\ \text{Kent-road} & - & - & S. \& L.\\ \text{Borough-road} & \textit{W}.\textit{H} & - & S. \& L.\\ \text{London-road} & \textit{H}.\textit{L} & - & L. \& S.\\ \text{Trinity Newington} & - & S. \& L.\\ \text{St. Peter Walworth} & \textit{W} & - & S. \& L.\\ \text{St. Mary Newington-} & - & L. \& S.\\ \end{array}$	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	4 9 17 11 8 20 26 21	4 3 7 6 4 21 6	1 1 2 2 2 5 3	3 1 2 7	1111111	1 - 4 - 1 -	1 1 1 1 1 1 1 1 1		1111111	1111111		1111111	1	1141,111	1 2 -	311-22-
St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	7 42 31	13 19 17	1 8 2	133	1 1 3	1	1	- 21	2	1 1 1			ī -	2 -	3 -	11 - 8
Waterloo-road HH - L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW L. & S. Kennington 1st H - S. & L. Kennington 2nd - S. & L. Brixton w - L. & S. Norwood WH - L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	27 11 33 49 19 39 14	7 15 26 13 11 17 5	327352	162253	414111	1 3 - 1 -	1391111	- 1 - 1 1	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	111111	-		2 - 1 - 2	1	31111	2 8 10 - 2 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	49 55 24 30 12 40	18 25 13 11 1 16	4 3 2 5 - 5	6 11 3 2 - 4	111111	11111	1,11,11,1	1 3	1 1	11111		1.44411	- 1 1	1 22 1 1	1 2 2 1 1	13 1 - 3
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 56 43 48	31 16 21	5 2 8	923	1111	- 2 1 2	1111	ī -	1				- -	- 1 -	3	13 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	19 28 14 9 18	9 17 4 9 11	2 3 1 2 2	2 2 4 4	1.453-1.4	3 -	2 -	3 -	2	- +	- 2 - -	1111	1	1 - 1	1 - 1	- 0 - 1 4
Eltham $wH$ K, Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 11 38 21	2 4 20 2	1 1 3 -	1 6 1	A 4 153			6	1111	1 1 1 1	4114	-	1 1 1	1111	1-1-4	91
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	10 12 7 7 34	3 5 4 3 10	- 123	1 2 1 - 4	4.44.4	-	1 1 1	1 - 1 - 1	1,1,1,1	:	1111	1111	11711	- 1	1 1	1 2
Banstead Asylum			4 2	1 1 1 1 1 1	3 1	1 1 1 1 1		11111	11111	.111111	1 - 1 - 1		1 1 1 1 1 1	11111	. 1 1 1 1 1	11.11.11.11	4 2 1
Hanwell Asylum Colney Hatch Asylum N.E. Hospital Winchmore Hill Hospital Claybury Asylum			1 2 2 - 5 4	11111	2 - 1	1 1 1 1 1	111111	2 -	11111	E	2 4 4 4 3		-	11111	11111	11111	19192   154

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS IN METROPOLITAN WORKHOUSES HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week anding Saturday. 8th July. 1899.

ı						<b> </b>		THE	DEA	THO	egist	ereu r	пте	11 000	· IIIOII	lue		<u> </u>
			Enume-	١.	nô.	Deat	hsof	<u> </u>			Death	ıs <b>f</b> roi	m				9	88
	REGISTRATION SUB-DISTRICTS,	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
N	DON-OUTER RING -	368,749	1,422,063	1011	400	106	90	_	11	1	12	13		11	22	32	52	1
	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	7 8	2 4		1 2	-	1-	-	-	[-]		-	-		ī	-
	Godstone, part of* W -	2,754	1,598	3	-	-	-	-	~	-	~			-	-	-	7	-
	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	69 12	33 6	8 -	11 2	-	1 -	-	1	2 -			3	3.	4 -	1
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	20 17 3 8 12	7 10 2 1 8	1 2 1	1 3 - 4	- I	1111	31111	- - -	1	1111	11111	1 - 1	1 1	1 1 1 8 1	
	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	15 12	10 2	1	5 1	3 -	-	- 1	-	-	. ~	-	2 -	2	5	-
	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	9 12 13	2 4 6	111	1 1 3	1 1	1	-	1.1.1	1 1 1	-	- 1 1	1 1 1	111	1 3	-
	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	30	11	3 -	1	-	1.1	-	1	1 -	-	-		-	1	]
	Sunbury w Staines WH	11,054 13,277	13,671 13,221	12 7	5 2	1 -		-	-	-	 		-	-	1	1=	1	-
	Hillingdon $WHH$ Uxbridge Hayes $wH$	6,035 12,757 7,952	12,237 7,253 11,051	4 5 8	3 2 2	111	-	-		-	-		-	-	1 -	-	111	
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	17 10 20 20 26	8 2 11 10 10	1 4 2 5	5 - 1 3 1			- - 1		1 2	1111	ī 1	2 1 -	1 2 1 -	8	7 1
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	14 2 61 14	5 1 21 5	3 9 1	- 1 2		-	1 1 1 1	- 2	-		2 -	1	1 1 1 -	- 1 1	-
	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	$\left\{\begin{array}{c} 6,367 \\ 14,152 \\ 25,820 \end{array}\right.$	1 6 15	1 2 3	- 1	1 1 1	-	-	-	-	-	-	-	1 1 1	-	-	-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	46 62 29 25 1	14 24 16 6 3	4 6 4 2 1	1 6 2 2 1 2	11111	2 1 2 -	111111	- 1 - -		1 1 1 1 1 1	1	1	1 3 1	1311	
	Hatfield, $part of * W$ Bushey $H$ Watford $WH$ , $part of * -$	3,306 9,331	582 7,737	4		-	-		-	-	-	-	-	-			1 1 1	
	Stratford $H$ Plaistow $WHHH$	3,266 4,334 6,501	38,612 58,030 54,750 53,511 32,713 70,188 57,330	30 46 45 34 52 41 48	14 17 14 12 13 22 17	4 8 5 4 7 5	3 1 2 3 1 4 5	1111111	1	1.1.1.1.1.1	3 - 1 - 1 - 1	1 2 - 1	111111	1 -	1 - 2 1	1 2 2 - 1 4 1	1 2 - 11 1	
1	Chigwell, part of * HHHH Epping WH, part of *	11,779	12,941 —	5	1	-		_	-	-	-		-	-	7 <u>-</u> 7 7 7 7	-	-	
Ī	Romford, part of * WH - litord	6,556 8,493 3,814 —	4,324 10,913 14,301 —	7 14 20 -	2 5 11 4	- 1 8 -	1 1 1	-	- -	1 1.1.1	1 1 1	- - -	-	1		1 1 1 1 1	2 - 4	

e parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham riey in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,382); 41: 3, Chislehurst strict, except the parish of Esher (pop. 2,382); 41: 3, Chislehurst strict, except the parish of Esher (pop. 1,387); 185: 1, the parish of Northaw in dsub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping (79); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for our Diseases belonging to the Outer Ring in 42: 2, Dartford; 137:2, Watford; and 187: 2, Epping sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 8th July, 1899.

								_		-					
			ANNUA	L RATE			The DE	ATH	s regi	stere	l in th	e We	ek inc	lude	
	Area	Population estimated	of MOB	TALITY 0 living.	DEATHS	Dea	ths of				Deat	ıs froi	n		
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	rom ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever,	Diphtheria,	Whooping-	Fever.	Diarrhoss.	Violence.
Cols	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	13.7	1.6	1710	405	419	_	61	13	43	40	7	39	71
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	15.0 10.5	1.8 1.3	1310 400	299 106	329 - 90	-	50 11	12 1	31 12	27 13	7	28 11	49 22

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY IN EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

		ano	in certain	FOREIGN	CITIES.						
					ANNUAL	DE	ATHS	FROM	PRIN DISEAS	ES.	L ZYMO
(Isman)	POPULATION (enumerated	DATE OF RETURN	BIRTHS.	DEATHS.	DEATH-	0 X.	98.	et.	Diphtheria	Whooping- cough.	F.
CITIES	or	Week ending	1	of Stillborn	per 1000	11-p	Measles.	Scarlet Fever.	the	oppi	Fever.
	estimated).	MILLION MONTH	,		living.	Small-pox.	Me	Sc	lqi(	Wbc co	14
			11	1 . 1	11	1 02	1				
EDINBURGH -	298,927	July	8 141	92	16.0	-	2	1	-	1	-
GLASGOW	733,903	1)	8 469	256	18.2	-	21	5		3	1
DUBLIN	349,594	17	8   198	156	23.3	-	5		1	1	4
CALCUTTA	466,460	May 2	7	281	34.3	-	-	-	1 -	2	102†
BOMBAY	821,764	June 1	3 160	580	36.7	4	13	?	?	3	109†
MADRAS	452,518	May 2	6 334	356	40.9	2	8	3	?	?	74†
PARIS	2,511,629	July	1 1105	857	17.7	-	18	12	6*	9	11
BRUSSELS	551,011	59	251	157	14.8	-	1	-	1*	-	1
AMSTERDAM -	512,758	June 2	4 292	171	17.3	-	-	-	-	-	-
ROTTERDAM	311,301	- "	4 184	110	18.2	-		-	1	2	-
THE HAGUE -	196,325	,, 2	4 101	46	12.0		1	-	-	1	
COPENHAGEN -	345,000		1 198	118	17.8	-	-	1	1	1	1
STOCKHOLM -	283,550		4   - 150	107	19.1	-	4		7*	-	-
CHRISTIANIA -	203,337	July	1   116	89	20.9	-	1	-	3	-	-
ST. PETERSBURG	1,132,677		4 512	503	23.2	2	24	12	9	2	14
Moscow	988,610	•, 2	4   -	579	30.2	4	2	6	3	3	4
BERLIN	1,805,054		7 856	624	17.9	-	28	7	9	11	1
HAMBURG	675,351	1	1 -	200	15.4	-		-	2*	9	1
DRESDEN	389,300		0   -	201	25.8		2	4	1	1	_
BRESLAU	406,012		1 - 315	196	20.0		_	-		1	_
				661	21.2	1	13	4	6*	6	_
VIENNA	1,606,629	1	1 1007	191	25.8		13	4	-0"	1	3
BUDA-PESTH -	666,722	1 "	4 401	258	20.1	1	4	5	4	-	3
TRIESTE	165,913		4   -	-	_	-	-	-	-	-	-
ROME	500,610		3   192	177	18.4	_	_	_	-	_	18
TURIN (10 days)	* 344,203	May 1		174	18.5	- 1	-	-	1	4	2
VENICE	169,883	1	4 89	69	21.2	-	-	-	-	-	-
CAIRO:	570,062	April 1	5 -	-	-	-	_	-	-	-	-
ALEXANDRIA -	319,766	,, ]	5	-	-	-	-	-	-	-	-
NEW YORK (including	3,550,053	June 1	0   1211	1462	21.5	3	30	19	37	12	3
BROOKLYN) PHILADELPHIA-	1,266,832	,, 1	7   -	423	17:4	_	_	3	19	4	12
		"									
1		na dootha from		-				,			

• Including deaths from croup. † Including 26 deaths from plague in Calcutta, 54 in Bombay, and 1 in Madras. ‡ Including 23 deaths from cholera in Calcutta, 1 in Bombay, and 5 in Madras.

	_								Δ	let	eoroi	logic	al	Obse	rvat	ions.							35
		Ozone		-	0.0	200	0.0	0.0	0.0	0.0	0.0	0.0	1 96	01	sea;	bulb tions	the the arrive	Tue nean bles.	nent	and eter,	ate;	eek	
Rain	collected in a	Gauge whose receiving			in.	0.00	00.0	0.00	0.00	0.00	0.00	Sum 0.13	96	3	of the	the wet bulb of corrections	wenty y 1868 for momete 1 minin	mn 8). m then rical Ta	beervar moven ing 1875	higher,	veak; m. moderate;	f the w	w coa.
		on's.	40	16 x ears.	Miles.	1755	901	-102	06 -	- 153	- 55	Sum +	100	- H-7	ean leve	and th	ng the t nding l llb ther um and	air (colu uced fro gromet	rizonta ears end	of the th	ak; m. nshine I	nning o	יום סו מו
ers.		Robinson's.	Horizontal Movement of the Air	Day.	Miles.	405	00±	143	152	98	182	Sum 1799	- 60	62	nidnight.	K.,and 9h mometer, he applic	ords made during the twenty years wenty years ending 1868 for the s of the dry bulb thermometer is of the maximum and minimum	y are ded	hat of hor the 16 year	lat + indi dexerror	mson's sell-registe negative; w. wee mpbell-Stokes Sm	lay.	10 A CITO 67
momet		the t.	Mean of 24 hourly obs.	-	lbs.	0 0	2 5	0.0	0.0	0.0	0.0	:	66	55	tht to	3h.P.] ther s by t	went of th	peratt imidit by Gla	and t	thein	gative	o in. at	
om Ane		Pressure on the Square Foot.	Least.		lbs.	0.0		0.0	0.0	0.0	0.0	:	5	10	aidnig s 159 fe s to re	bulk value	the tading	of tem	g 1890 creco	e in n edfor	N. ne	ne on 29.4	
luced fr		Press	Great-		1bs.	4	4.6	2.0	0.5	0.3	8.0	:	- 06	3	rom n eter is adings	A.M.; 1 e dry daily	uring an re	alue c legre rmom	endin	orrect	rom r ve; l m the	d fro	
Wind as deduced from Anemometers.	Osler's,	General Direction.	P.M.		W. & WSW.			N. & N.W.	Z	N.S.E.	& SW. W. NW. & WSW.	NW.	19		vivil day, or for the baromied to the re	arometer, the into mean	neter, and determined mean of the	erature and wet bulb the	the 50 years of the anemo	e. nollarenote	is derived in the second of th	n of bright s neter increase 7th and de	
			A.M.		SW. WSW.	W. WNW.	& NW WNW	NNW. & 1	SW. WSW.	Calm.	SE, SW.	SW. &	180		The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 168 feet above the mean level of the sea; correction has been applied to the readings to reduce to sea level.	Observations are distant parket with A.M.; 1000 1811. M.; and the White Wereddings of the barrometer, the dry builb thermometer, and the wet builb advanced the converted into mean daily values by the application of corrections	ending 1873 for the barometer and during the twenty years ending 1888 for the thermometers. With the corrected mean reading of the dry bulb thermometers. With the corrected mean reading of the dry bulb thermometer is confined the corrected mean of the readings of the maximum and minimum thermometers thermometers.	mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry found the mean daily values of the dry and wet built hermometries by distinct of the dry and wet built hermometries by distinct is Hygrometries and degree of the dry values of the dry and wet built hermometers by distinct is Hygrometries and Tables.	made at Greenwich dring the 60 years ending 1880, and that of horizontal movement (the air from a disension of the announcement of the six from a disension of the announcement (the six from a disension of the announcement of the six from a disension of the announcement of the six from a disension of the announcement of the six from the 16 years ending 1875.	- "lower," than the average.  The valuesgiven in column I/ are not corrected for the index error of the thermometer, which cannot be determined.  The reaction is column in the column index error of the content of the column index error of the column eter, when cannot be determined.	The symbols employed are: -P. positive; N. negative; w. weak; m. moderate; strong said v. variable.  Strong said v. variable.  The numbers in column 28 derived from the Cambbell-Stokes Snrshine Instrument.	show the aggregate duration of bright sunshine on each day.  The reading of the barometer increased (from 29%) in, at the beginning of the week to 3009 in, by Th. A. M. on the Th. Th. and Janessed to 9008 in, by the conditions of the week to 3009 in, by Th. A. M. on the Th. and Janessed to 9008 in, by the conditions of the week.	
RE.		Of the Earth	below the Surface.		09	99.09	60.31	60.09	00.09	60.26	09.55	60.40	17		esults seight o	readir neter,	1873 for neters, ad the	uily devilues of	Green	r, tha	mbols of and imbers	e aggre eading n. bv 7	
APERATU	4	Radiation	Lowest on the Grass.		20.2	0.09	469	40.6	50.3	49.0	20.0	48.2	16		The r The h no corre	the eye	ending thermore combine thermore	mean da daily va	made at of the ai	- "lowe The va	The syl	show th The re to 30:09 j	
ST.		1	Highest in Sun's Rays.		133.8	8.26	117.2	122.9	129.9	128.2	135.1	123.6	15		fine in				ning;	ning; Fre-			
	Degree	(Satu-	equals 100).		74	80	69	29	74	02	64	7.1	14	σσ	ry; fi	slight	noon; fine and		n mor	n mor	fine s. Bri	udy.	
ween	int	100	Least.		0 67	2.6	4.6	0.T	0.0	0.5	0.5	1.6	13	GENERAL REMARKS.	showery;	sional	noon s. Clo		misti	r fog i afterw Warm	rward	w dat III	
ence bet	Dew Po	n beredin	Great-		9.91	2.01	14.9	19.4	18.2	21.1	21.9	9.21	12	L RE	and	: occa	st till rward	ady.	Dense	mist o	in mo	4	
Differ	and Dew Point	1	Mean daily value.		0 00	6.3	10.5	11.3	8.3	10.1	12.4	9.6	111	NERA	cloudy	rercast	vereas ly afte	lly ele	rally.	dense ally cl g at ni	foggy of clot		
	Of the Dew	point.	Mean daily value.		48.5	50.9	20.1	9.00	57.5	27.0	55.1	52.8	10	GE	ly.	Generally overcast; occasional slight rain.	ally c y cloud	Fine; partially cloudy.	y gener	y with parti ghtnin	y and nounts		
, m.		De-	from Average of 50 years.		- 4.9	6.5	- 1.6	- 0.5	+ 36	0.6 +	+ 5.2	+ 0.4	6		Generally afternoon.	Gener	Generally overcast till n partially cloudy afterwards. 10h. P.M.	Fine;	Cloudy generally. Dense mist in morning slight showers in forenoon.	Cloudy with dense mist or fog in morning fine and partially cloudy afterwards, Fre- quent lightning at night. Warm.	Cloudy and foggy in morning; fine with small amounts of cloud afterwards. Brilliant solar halo in forence A week.		
TWW	ir.		Mean daily value.		56.5	57.2	60.3	6.19	8.29	67.1	67.5	62.3	00	Registered Sun above Sunshine Horizon, in hours.	16.5	16.5	16.5	16.4	16.4	16.4	16.4	Sum 1151	29
TWAT	Of the Air		Daily Range.		13.1	4.6	12.5	22-7	19.5	25.3	22.1	17.6	7	red Sun ne Ho rs. in								-	-
			Low- est		51.9	24.0	54.8	₹.09	2.12	24.8	2.99	54.3	9	Registe Sunshi in hou	8.60	0.5	2.5	10.6	1.8	6.7	2.6	Sum 31.4	28
			High-est.		65.0	6.19	67.3	73.1	0.22	80.1	78.8	6.17	5	of a,)	ally;	ally;	nut -	at -	ut -	ut -	at -		
METER.	Mean	reading (cor-	and reduced to 32° Fahrenheit).	-	in. 29.463	29.735	29.824	30.052	30.022	30.065	30.001	29.899	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally occasional w. N.	w. P. generally w. N. at 7h. P.M.	w. P. throughout	w. P. throughout	w. P. throughout	w. P. throughout	w. P. throughout		27
	Phases	of the	Moon.		:	:	:	Greatest	:	New	:	and and	3	ELE (For ex symbo	w. P.	w. P.	w.P.	w.P.t	w. P. t	W. P. t	w.P.t		
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000	1899.	Mowne Awn	DAY.	JULY.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY	MEANS	No. of Column	DATE. JULY.	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

PRINTED FOR HER MAJESTY'S STATIONERY OFFICE BY DARLING & SON, LTD., 1-8, GREAT ST. THOMAS APOSTLE, E.Q.

1899.

# WEEKLY RETURN

#### LONDON BIRTHS AND DEATHS IN

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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> General Register Office, Somerset House, July 17th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 16.9 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Ī			7	Veeks	endin	g
Towns.	June 24.	July 1.	July 8.	July 15.		Towns.		June 24.	July 1.	July 8.	July 15.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	13·6 16·8 13·1 13·8 14·8 15·7 15·3 14·3 15·7 8·2 13·2 17·6 13·9	12·7 15·4 10·4 13·5 14·8 14·8 15·1 18·9 13·5 16·7 22·5 12·8 13·6 17·4	14·5 12·9 12·3 14·5 12·1 14·0 14·1 15·2 10·6 12·7 15·7 16·0 17·6	13.6 18.6 17.0 15.1 15.9 16.1 13.8 17.1 11.8 11.0 12.7 17.6 18.7 11.1 12.9	THE PROPERTY OF THE PROPERTY O	Leicester - Liverpool - London - Manchester - Newcastle-on-Ty Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea - West Ham - Wolverhampton	-	21·9 15·5 21·0 18·3 18·9 16·8 18·0 19·7 14·2 14·6 17·4 19·2 15·4	21·3   14·9   21·3   14·6   13·4   12·9   14·2   13·5   15·0   13·7   17·9   20·6   16·1   13·1   11·8	16·3 24·2 15·0 8 24·8 16·6 12·9 17·0 2 17·3 6 18·1 11·8 7 14·6 19·4 15·8 11·8 11·8 11·8 11·8 11·8 11·8 11·8	23·3 15·9 21·5 19·2 12·4 19·4 13·8 15·0 13·3 24·6 24·1 16·1 20·1 12·0

The highest annual death-rates per 1000 living, as measured by last week's mortality, were: -from measles, 1.1 in Nottingham, 1.3 in Sheffield, 1.8 in Manchester, 2.2 in Salford, and 2.3 in Burnley; from scarlet fever, 1.0 in Oldham and 1.4 in Burnley; from whooping-cough, 1.0 in Salford and in Huddersfield, and 1.1 in Sunderland; and from diarrhæa, 1.0 in Derby and in Manchester, 1.2 in Wolverhampton, 1.4 in Birkenhead, 1.8 in Preston, 2.0 in Sheffield, 2.3 in Norwich, 2.4 in Liverpool, 2.6 in Salford, and 3.3 in Nottingham. In none of the thirty-three towns did the death-rate from "fever" reach 1.0 per 1000. The 91 deaths from diphtheria included 37 in London, 10 in Sheffield, 7 in Swansea, 6 in Liverpool, 4 in West Ham, 4 in Leicester, 3 in Birmingham, 3 in Salford, 3 in Preston, and 3 in Leeds. One death from small-pox was registered in London and 1 in Hull but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2351 BIRTHS and 1387 DEATHS were registered. Allowing for increase of population, the births were 289, and the deaths 231,

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained †Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7 added to the Cuter Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 15.5, 14.9, and 15.0 in the preceding three weeks, further rose last week to 15.9. During the four weeks ending on Saturday last the death-rate averaged 15.3 per 1000, being 2.0 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1387 deaths included 1 from small-pox, 48 from measles, 4 from scarlet fever, 37 from diphtheria, 26 from whooping-cough, 6 from enteric fever, 75 from diarrhea and dysentery, 2 from choleraic diarrhea, and not one death from typhus, or from any ill-defined form of continued fever; thus, 199 deaths were referred to these diseases, being 145 below the corrected

average weekly number.

The death from small-pox was that of a male aged 46 years, who had been removed from Lewisham to the Metropolitan Hospital Ship "Atlas" off Dartford. The deaths from measles, which had been 65, 51, and 50 in the preceding three weeks, further fell last week to 48, and were 8 below the corrected average; 11 cases belonged to Lambeth, 6 to Shoreditch, and 5 to Camberwell sanitary areas. The deaths from scarlet fever, which had been 4, 11, and 12 in the preceding three weeks, fell again last week to 4, and were 13 below the corrected average. The deaths from diphtheria, which had been 28, 25, and 31 in the preceding three weeks, further rose last week to 37, but were 3 below the corrected average; 6 cases belonged to Islington, 4 to Newington, 4 to Camberwell, 3 to Greenwich, and 3 to Lewisham sanitary areas. The deaths from whooping-cough, which had been 35, 26, and 27 in the preceding three weeks, were 26 last week, the corrected average being 42. The fatal cases of enteric fever, which had been 6, 11, and 7 in the preceding three weeks, were 6 last week, the corrected average being 9. The deaths from diarrhæa, which had been 9, 20, and 28 in the preceding three weeks, further rose last week to 75, but were 98 below the corrected average. Of the 75 deaths from diarrhoa, 70 were of children under 5 years of age; 33 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 190, 159, and 194 in the preceding three weeks, fell again last week to 177, and were 8 below the corrected average. The deaths attributed directly to influenza numbered 7, having been 12, 12, and 11 in the preceding three weeks.

Different forms of violence caused 67 deaths, concerning all but 5 of which inquests were held. Of these 67 deaths, 9 were cases of suicide, while the remaining 58 were attributed to accident or negligence. Eleven of these were referred to vehicles in the streets, 11 to drowning, and 11

(of infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2601 cases of scarlet fever, 1434 of diphtheria, and 99 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follows:—Of scarlet fever, 299 cases, against 335, 302, and 315; of diphtheria, 222 cases, against 204, 225, and 218; and of enteric fever, 22 cases, against 26, 17, and 11.

GREATER LONDON.

In Greater London 3355 births and 1781 deaths were registered, corresponding to annual rates of 26.8 and 14.2 per 1000 of the estimated population. In the Outer Ring 7 deaths from measles, 1 from scarlet fever, 13 from diphtheria, 3 from whooping-cough, 3 from "fever," and 21 from diarrhea were registered. Ten deaths from diphtheria occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.85 inches, and that of the Thermometer 66°.2; the latter being 3°.6 above the week's average in the 50 years 1841–90. The direction of the wind was south-westerly, the horizontal movement of the air being 5 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 49.4 hours; the measured rainfall amounted to 0.09 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox. Scarlet Fever, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

\* See note \* on first page of this return.

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7	CILIES	AND	воводена	Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PLYMOTTH	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOT FINGHAM.	DERBY.	BIRKENHEAD.	BOLTON	MANCHESTER.	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN.		HUDDERSFIELD.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	GALESHEAD.	NEWCASTLE.
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TEMPERATURE OF THE AIR.	Mean.	.ti	Кыћгешће	21.	63.3	66.2	1	67.4	62.7	1	62.0	1	1	8.09	1	9.79	1	643	1	1 00	0.00	ı	1	F	ı	1		8.19	1.69	1 1	1	1	1	1	1
ATURE		,189 W	heit.	20.	1.97	50.3	ı	0.09	54.0	1	52.5	1	1	1.95	1	9.64	ı	51.3	1	1 0	23.1	1 1	1	1	1	ŀ		6.24	40.8	D I	1	1	1	t	1
EMPER		tsəq.	Fahrenheit.	19.	00 %	83.1	1	84.8	73.8	ı	0.22	1	1	74.8	1	83.2	1	81.3	1	ı	6.07	1	1	1	1	1		0.82	20.4	H 00	1	ı	ı	1	1
	e e saths.	u u	From Diseases i Cols. 6-13	18.	25.52	2.3	1.9	1.5	1.3	20 0	<b>0.</b> 0		4.0	1.8	1.6	3.7	2.2	4.6	1.5	19.3	5.5	0 10 0 10	6.7	4.6	5.1	1.2	0.0	61 S	0.0	9.6	51.6	1.8	11	1.5	2.0
Annual Rate per 1000,	to the Week's Deaths.	1	IA mora sasara)	17.	6.91	15.9	12.0	11.0	16.1	0.57	12.0	11.8	20.1	21.1	18.6	12.4	17.3	19.4	127	13.6	23.3	101	24.3	13.8	17.1	0.21	еет	111	7.5.7	17.1	211	C. 21	1.91	17.6	19.2
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The DEATHS registered in the Week include			Mesales	7.	125	48	-	1 1	ı	ı	1 0	a 1	1	1	4	1	1	2	_	1	=	1 9	67	0 -	1.0	_	1	!	1 1		4 0	50 F	٦		- 63
			Small-pox	6.	61	-		1	1	1	1	1 1	1	1	1	1	1	1	1	1	Л	ŀ	1	1 1	1	1	1	1	t	1	1	1 -	- 1	1	
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	Death	1901	Infants ur I Year o Age,	4	1065	367	27	00	2	20	οο <u>ς</u>	e a	0 00	6.	52	13	26	31	9	11	102	00 9	200	201	12	16	13	4	ro.		47	8 8	7 0	9 2	8
during	ending 1899,		DEATHS.	ແນ້	3690	1387	69	27	38	44	23	08 64	40	98	184	1.6	1 5	68	26	30	283	47	224	103	37	44	30	22	35	72	139	197	28	36	8 48
legistered	the Week ending 15th July 1899.		BIRTHS, L		6139	9851	154	49	19	66	49	061	09	0.0	330	629	106	118	49	52	364	79	308	150	54	52	22	52	45	96	267	212	160	76	130
		to the middle of		l.	11,404,408	4.546.752	300.241	127,759	123,226	190,741	100,637	320,911	103.722							115,162					113.081	- 135,154	- 117,622	- 103,464	- 97.721	- 236,241	423,889	- 361,169		160.613	228,625
		AND	HS,	Cors.	33 TOWNS	1	LONDON	1	BRIGHTON	PORTSMOUTH -	PLYMOUTH -	BRISTOL -	CARDIFF	SWAMPER STORY		BIRMINGHAM	1 4	LEICESTER -		BIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	1	OLDHAM -	RN-	1	HUDDERSFIELD .	HALIFAX -	BRADFORD -	ı	TELD -		SUNDERLAND	NEWCASTLE -

TABLE 2. LONDON. -Births and Deaths Registered in the TWENTY-EIGHTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2306	2472	2488	2545	2607	2371	2583	2634	2579 *	2502	2639·8	2351
	1186	1281	1263	1263	1339	1207	1345	1353	1308	1255	1346·7	1202
	1120	1191	1225	1282	1268	1164	1241	1281	1271	1247	1293·1	1149
TOTAL <b>Deaths</b> -  Males  Females	1605	1471	1373	1546	1887	1356	1768	1770	1391	1214	1618 <sup>.</sup> 3	1387
	839	747	748	814	1006	715	921	912	695	649	846 <sup>.</sup> 6	733
	766	724	625	732	881	641	847	858	696	565	771 <sup>.</sup> 7	654

<sup>\*</sup>The numbers in this column are the average weekly numbers in the twenty-eighth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

• 1		Apr. 22.	Apr. 29.	May 6.	May 13.	May 20.	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.
TOTAL Births -	-	2759	2693	2623	2574	2598	2306	2678	2445	2571	2422	2441	2484	
TOTAL Deaths	-	1499	1478	1397	1428	1419	1366	1483	1365	1316	1355	1297	1310	1387
$\begin{array}{c} {\rm Ages\ at} \\ {\rm Death} \\ {\rm Death} \\ \end{array} \begin{bmatrix} {\rm Under\ 1\ year} \\ 1-5 \ {\rm years} \\ 5-20 \\ 20-40 \\ 40-60 \\ 0 \\ 80 \ {\rm years\ and\ upv} \\ \end{array}$	vards	317 186 82 200 303 322 89	325 195 87 172 289 321 89	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 - 171 271 270 51
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough - Typhus Enteric Fever Simple Continued Feve Diarrhæa and Dysenter Cholera		51 7 29 47 - 3 - 7	- 45 6 26 54 - 4 - 10 	36 10 21 47 7 12	49 2 40 39 - 8 - 9	51 9 24 39 6 12	61 5 23 34 - 4 - 10	67 4 24 33 6 13	1 93 5 28 27 - 7 - 12	64 7 35 35 35 6 12	65 4 28 35 6 -	51 11 25 26 - 11 - 20	50 12 31 27 - 7 - 28	1 48 4 37 26 - 6 - 75 2
All the above Diseases	-	144	145	133	147	141	137	147	173	159	148	144	155	199
Dis. of Respiratory Syst Phthisis	em -	277 160 140 65 152 472	294 140 114 71 137 432	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414	177 115 122 67 128 455
TEMPERATURE OF THE A Mean Mean of Highest reading Mean of Lowest reading	- 28 -	43·4 52·3 34·7	50°1 57°3 44°1	46.4 55.3 37.2	50.9 62.2 41.7	54·4 62·7 48·3	49.5 57.1 43.2	58.4 70.8 43.6	61·1 73·3 49·1	56.9 69.3 45.1	60°7 69°7 53°7	62·3 73·1 53·8	62·3 71·9 54·3	66·2 77·7 56·9
Humidity of the Air -	-	75	76	67	<b>7</b> 5	75	78	60	64	67	73	68	71	67
Rain-fall (in inches) -	-	0.43	0.79	0.00	0.01	0.97	0.66	0.00	0.00	0.00	0.21	0.74	0.13	0.09
Registered Sunshine (in ho	urs)	26.5	17.8	49.7	43.0	33.9	29.3	95.9	72.1	68.0	26.2	43.9	31.4	49*4
CASES OF IN	FECTI			SS IN	HOSP	ITALS	AT T	HE EN	DOF	EACH	WEEE			
S. nall-pox		$\begin{array}{c c} 3\\2144\\1034\\125 \end{array}$	2131 997 124	2139 1040 118	2210 1065 107-	$\begin{bmatrix} 1 \\ 2161 \\ 1066 \\ 99 \end{bmatrix}$	$\begin{bmatrix} 1 \\ 2201 \\ 1111 \\ 102 \end{bmatrix}$	2212 1134 9#	2269 1159 97	$\begin{bmatrix} 1 \\ 2280 \\ 1170 \\ 93 \end{bmatrix}$	2367 1230 103	$\begin{bmatrix} 2\\ 2430\\ 1280\\ 105 \end{bmatrix}$	2530 1347 94	2601 1434 99

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their alteorological observations at the dispotal of the Registrar-General, and the results have been compiled by J. Haisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. V. Peston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Eqq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford: and Mr. E. Peak, Hull

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4. TWENTY-EIGHTH Week of the Year 1899.

	the		In t	he W	eek 5th J	end: July	ing 1899		11		the years		In Satu	the	Wee, 15t	ek en	ding	99.	
	for 10		Dea	ths of	Per Age		s of	_			he 10		De	aths	of I	Perso	nso		
JSES OF DEATH	Average k of tl 1889-98*			nder 20,		under 40.	under 60.	er 80.	and .	CAUSES OF DEATH	Averages k of the 1889-98*,	8.	U	nde 20.	r	under 40.	der 60.	der 80.	and R.
	Corrected Averages 28th Week of the 1889-98*,	ALL AGES.	0-1	1-5.	9	20 and und	40 and und	60 and under 80.	80 years a upwards.		Corrected 28th Week	ALL AGES.	0-1.	1-5.	5-30.	20 and un	40 and under 60.		8C years
AUSES	1618.3	1387	367	175 8	2 1	171 2	271	270	51	Diseases of Circulatory System	115.0	122	2	-	8	28	38	37	9
Vaccinated† - Unvaccinated No Statement	0.2 0.2 0.3 55.7 16.9 0.2	1 - 48 4 -	- - 10	37	- - 1 1	111111	1	1,		Croup	4.7 77.5 79.4 5.7 17.3	1 68 88 5 14	18 21 - 3	1 7 17 1 1	1 5 1 -	1 12 1	12 19 1 5	1	2
sing Fever  nza -  ping-cough -  heria -  e Continued and lefined Fever -  ra and Chol. Diarr.  nea, Dysentery -  tent Fever -  tent Fever -	8.5 41.6 40.4 0.4 8.7 6.6 173.2	7 26 37 - 6 2 75	1 15 3 - 1 64 -	11 22 1 - 1 - 6 -		1 - 4 - 2 -	1	- - - - 1 2	- 1	Dentition Quinsy, Sore Throat	$ \begin{array}{c} 10.8 \\ 2.0 \\ 49.9 \\ 6.2 \\ 27.6 \\ 32.1 \end{array} $	6 3 16 37 6 29 29	29 29 1 5	1 4	1 2 1 2 - 2	- - - 1 3 4	2 1 16 6	7	
ophobia	0°2 10°8	- 6	1 . 32	-	-	1 2	2322		-	Diseases of Lymphatic System & of Ductless Glands	2'5	3	-	-		2	1	-	-
pelas nia and Septicæmia peral Fever Zymotic Diseases	3.8 2.4 3.2 1.9	$\begin{bmatrix} 6 \\ -6 \\ 2 \end{bmatrix}$		-	-	15	1	- 2	-	Diseases of Urinary System	. 37.6	50 —	]	-	1	4	16	20	21 -
sh	1:1						-	-	-	Diseases of Generative } System	6°4 5°1	6		-	-	4	2		-
										Diseases of Locomotive System }	4.8	4	ļ	1		1	-	]	ı
ation, Want of ast-milk S	21 11:5	6	-	-		3	2	1	-	Diseases of Integumen- tary System-	4:0	1	-	-			-		1 -
matic Fever, eumatism of Heart matism ets es Mesenterica - rcular Meningitis - isis - ila, Tuberculosis - r Constitutional eesses	6:0 1:6 3:2 6:5 70:5 36:7 28:3 138:6 22:3 11:3	4 3 3 4 82 17 23 115 31	1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1		3 2 14	1 9 43 4 2	2  37 1 40 4 4	32-1221	2	VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions -	53.8	2 31 1 1 5 11		1 3	- 1	1			2 -
nature Birth	47.1 3.5 7.7 44.5	52 8 37	2	7 1	-		-	18	8 19	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes -		111 2 15	1 -	1 -	-	1			1 2
olexy	43.9	34 34 88	3		-	2 3 - 10	10 2 - 27	-		(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	2·1 12·1	-				- 4			2 -
ases of Organs of ecial Sense -	3.7	9.00	5 -	-	3	1	1		-   -	OTHER CAUSES	68.9	3	3 :	29 :	2	1 -	- 1	-	

the numbers in this column are the average weekly details for the survey of the pulation. 
pulation.

Puly those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered itself men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the e of death is not certified by a registered practitioner, the case is returned under the heading "no statement." be evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of dent, murder, manslaughter or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHŒA, VIOLENCE, &c., legistered in es Sur-District during the Week ending Saturday. 15th July. 1899.

SUB-DISTRICT during the Wo	eek enuir	ig sau	uruay	, 100	on o	my,	109	, —									
							The	DEA'	THS T	egiste	red d	aring	the W	eeki	nelue	le	
	Enume-			Dea	athsoi					Deat	hs fro	m.					tions.
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATHS.	Infants under 1 Year of Age	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Soarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases.	Desthein Publicanstitutions
LONDON -	4,411,710	2,351	1,387	367	321	1	48	.4	37	26		6	_	75	67	128	455
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	339 532 112 441 927	217 271 73 286 506	60 61 21 89 136	64 75 14 49 107	1	3 3 14 26	1 2 - 1	2 11 1 23	4. 3 7 12	-	311-	11111	13 10 5 29 18	8 13 5 13 28	19 24 6 34 45	71 91 37 96 126
WEST DISTRICTS.  St. Mary Paddington G. & W. WHH St. John Paddington H G.	90,996 33,510	55 10	14 12	3 2	5 3	1, 1	1	-	1 -		-		_	- 1	- 2	2 2	- 4
Kensington Town $Ww - W$ . Brompton $HH - W$ . & C.	122,164 48,301 44,638	55 6 26	50	13	20 5	-	1	- 1	100	7-1	-	-	-	4	ī	2 2	26 2
North Hammersmith $H$ W. & G South Hammersmith $H$ W. & G Fulham $Ww$ - W. & C.	59,5 <b>6</b> 1 113,781	21 70	12 10 36	8 4 14	3 8	-	-	1	1	***		-		223	2	2 5	1 8
Chelsea Kensal Town - C. Chelsea North WHHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	11 20 8	7 12 10	3 3 4	3 2	-	- 1	<u></u>		-				- 1	ī	1	8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	4 24 15 6	10 12 9 5	1 3 1	5 1 4 1		-		-	-		1111		1.4.1.1	1 -	1	7 6 -4
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N.	23,050 12,048	£6 2	7 2		4	-	-	-		-	-	-	-	-	1	1	2
NORTH DISTRICTS.  All Souls Marylebone \ W. Rectory Marylebone W G.&W. St. Mary Marylebone \ G.&W. Christchurch Marylebone H - W. St. John Marylebone HHH W.	36,595 19,798 19,637 32,547 32,611	12 5 39 17 18	10 4 6 3 9	1 1 3 1 2	3 21 22 11 -		-		1 1 1 1					1 - - 1	1 2 -	1 2 .	5 2 3
WWHHHHH \ - N. & W. \ Regent's Park Pancras \ HH - W.	75,449 37,341	22	15 7	2	4	-	-	1	1	1	-	1	-	-	1	1	7
	26,757 29,426 32,161 16,669 98,410	13 16 18 6 39	7 16 13 19 5 23	2 4 5 6 1	1 3 1 4 3 9		1 1 1 1 1		1 - 1		1 1 1 1 1	1		2 1	1 1 1 1 1 1 1	2 2 1 - 2	10 5 6 3
$ \begin{array}{c cccc} \textbf{Upper Holloway} & & & & & \\ \hline WWWwWHH} & & & & & & \\ \textbf{Islington South-west} & H & & & N. \\ \textbf{Islington South-} & \textbf{east} & & & & & N. \\ \textbf{Highbury} & HH & & & & & & & N. \\ \end{array} $	98,273 107,365 66,549 64,577	48 59 34 29	32 17 14 11	4 4	6 8 4 7	-	1 1 1	1 1 1	1 3	1 1 -	1 1 1			1	1 - 1	2 - 1 2	21
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.&N.	33,485	$   \left\{     \begin{array}{c}       15 \\       17 \\       28 \\       32 \\       41     \end{array}   \right. $	7 12 11 16 21	1 3 4 7	4 6 - 2 6		1	1	3 - 1	11711	1 1 1 1	1		1 1 1 20 1	1 1 1 1		- 1 - 4 - 2 12 :

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Worknouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; t—Private Lunatic Asylum in which paupers at grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. Ne See note † on first page of this Redum.

See note † on first page of this Redum.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and were-named North Hammersmith and South Hammersmith, respectively.

ABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES STARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE. &c., registered in each Sub-District during the Week ending Saturday, 15th July, 1899—continued.

							Tı	e DE.	ATHS	regis	tered	durin	gthe	Week	inel	ude		
	Enume-			Deat	thsof					Deat	hs fro	m					utions	of
BEGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Smarl-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea,	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes
	**************************************																	
CENTRAL DISTRICTS.							Particular and Applicant											
St. George Bloomsbury N. St. Giles South $WH$ N. St. Giles North $H$ N.	16,110 12,976 9,151	19 5	2 2 3	1 -	1 2 2		-	-	-		-		-	-			- 1	
St. Martin-in-the-Fields HHN. & C. Strand WHH N. Strand Union Workhouse, Edmonton	13,077 11,839 †1,037	5 5 -	4 3 5	1 2	3	1 1 1	-	-	-	-		1 -	-	ī -	1 -	1 -	2 2 5	-
Holborn wHHHHHHHH	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	13 8 17 6 25 4 -	13 2 5 3 9 4 1	6 1 2 3 3 -	3 1 1 -		1 1 1			1 1 1	-			- 1 1 1 - -	111111	1	10 - 2 - 1	1
St. Botolph $H$ N. & E. Cripplegate N. & E. St. Sepulchre $WH$ N. Allhallows Barking - N. Broad Street $H$ N. $Xty$ of $London$ $Asylum$ , $Sione$ -	6,870 3,299 9,591 9,059 2,892 †388	1 1 -	16	2 -	- 22 - 1 -		-		- - - -		-			1	4	4	14	
EAST DISTRICTS.  Shoreditch South $Hl$ - E. & N. Hoxton New Town $w$ - N. Hoxton Old Town N. Haggerston $WH$ N. & E.	17,975 29,575 27,645 47,163	10 25 20 32	$14 \\ 10 \\ 29$	3 5 5 12	- 5 - 5	1 1 1 1	2 1 1 2	1 1 1	1111	2		- - 1		1224	1	-	- 4 15	- 1
Bethnal Green North $H$ - E. Bethnal Green South E. Bethnal Green East $WHl$ - E.	49,301 34,194 45,667	28 21 22	14 12 24	7 3 4	1 3 6	1		-	1 2 1	1	1 1 1	-	-	3 1 -	1 1 1	2 3 -	13	-
Spitalfields E. & N. Mile End New Town* WH - E. Goodman's Fields* E.	26,681 } 51,995 {	31 28 11	6 46 7	3 6 3	7 7		1 3		-			-	-	- 1	4	1 8 1	40	
St. George's North E. St. John, St. George East W E.	39,576 7,930	27 5	6 8	4	2	-	1 -	-	-	-	-	-	-	1 -	-	-	7	-
Shadwell $H$ E. & N. Bateliff $W$ E. Limehouse E.	10,434 14,954 32,917	5 3 19	8 4 7	4 1 2	-		-		1 1 1	-		-	-	2 - 2	<u>i</u>	1 1 -	6.	
file End Old Town West $H$ E. file End Old Town East $WW_{}^{*}vv$	} 111,060	{ 35 29	17 18	4 6	4 5	-	-	-	-	1 -	-	-	-	2	1	2 2	- ā	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	<b>41,687</b> 69,821 57,759	21 33 36	11 18 23	4 6	4 2 5	. 111	- 2 1			1	1 1 1	-		2332	2	2 6 1	1 5	- 1 -

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of Londov. \* Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5 LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox, Measl Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each Sub-District during the Week ending Saturday, 15th July, 1899—continued.

`							The I	EATI	HS reg	istere	d du	ring t	he We	ek in	clude		
	Enume- rated Popu- lation, 1896.		Total DEATHS.	Deat	eaths of Deaths from												
REGISTRATION SUB-DISTRICTS		Total BIRTHS.		Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheris.	Whooping-cough.	Typhus.	Enteric (or Typhold) Fever.	Simple Continued Fever.	Districes.	Violence.	InquestCases.	Deaths in Public Institutions
SOUTH DISTRICTS. Christchurch Southwark $WHL$ .&S.	13,064	6	2	_	1		19		-	_	-	-	_	-		. 1	-
St. Saviour Southwark - S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 7 7 5 8 15 33 26	3 3 10 3 7 18	1 2 5 2 7 4	1 2 1 4 1	1 1 1 1 1 1	3		111111	1 1 1	111111	-		1 1 1 1 1	1 1 2	1 1 2 -	1141111
St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	8 43 23	15 22 17	3 9 5	2 1 5		- 1 1	-	1 -	ī	-	1 1 1	- 1	ī -	2 3 3	2 3 3	13 1 3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	28 7 19 43 20 39 16	7 18 33 17 11 14 6	21 4 8 3 4 2	- 10 2 1 3 1	111111	1 5 2 1 1 -	- 1	- - - 4 1	11112	111111	11111	-	i i i i bed i i	1111-	2213	2 12 17 - 5 1
East Battersea	71,730 93,385 46,953 58,101 20,566 61,644	36 43 30 35 8 33	23 22 14 8 6 14	12 10 2 3 1 3	1 8 5 2 1 5				1	1		Roma Common Roma Common Services		21	121:121	2 1 2 2	3 1 2
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	50 53 31	33 21 22	4 7 10	10 2 3	1111	1 2 2.	-	1	- 2			-	2 1 3	111	1 1 3	26 - -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	27 34 24 15 16	11 21 7 8 21	6 4 - 1 3	23335	1111	1 1 -		9		-	-	-	- - - 1	1 1 1	1 - 1 1	- 9 - 1 11
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	12 38 26	4 4 15 8	111-	3 1 5 4		1 -	-	- 21 -		-	1111		- 1 -	1	-	1 6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	7 13 12 5 24	4 3 5 2 16	- 1 2 1	1 7	11113	1 -		ī			1.1.1.1		20111	- - 1	1	2 -
Banstead Asylum Caterham Asylum Cane Hill Asylum	-	200 200 200 200 201 201	3 2 11 11 1 1 1	-	1 1 1 1	1 -	111111		11111		1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1	11111	1 1 1 1 1 1 1	1111	3 2 11 1 - - 4 2
Colney Hatch Asylum N.E. Hospital Winchmore Hill Hospital Leavesden Asylum Claybury Asylum London County Lunatic Asylum, Horton.	name name name name name name name				1 - 1	1111		-	-			1	11111	11111	11111	11111	551

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 15th July, 1899.

en	ding Saturday, 15th July,	1099.																
								The	DEA	THST				Week	inclu	de		
g-			Enume-	ະຕິ	හැ	Deat	hs of			1	Death	s fron	a.				0	88
et	REGISTRATION SUB-DISTRICTS	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
01	DON-OUTER RING -	368,749	1,422,063	1004	394	122	98		7	1	13	3	3	21	23	35	49	3
1 2	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	11 9	9 2	3 -	3		_	-	_	-		-	-	1	- 1	-
1	Godstone, part of* W -	2,754	1,598	2	-		-	-	-	-	-	-	-	-	-	-	-	-
Per 021	Croydon $WwHHH$ Mitcham $w$	20,851 11,697	128,699 23,072	60 13	29	8 2.	10	-	-	-	-	1 _	-	2 -	3 -	6	7	-
12345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$   \left. \begin{array}{c}     3,220 \\     14,672 \\     4,565   \end{array} \right. $	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	19 25 4 7 21	2 6 - 2 2	3	1 2 2	11111	11111		1111	11111	1111	1		1 1 1 1	1 1	11111
1 2	Richmond $WH-$ Mortlake $H$	2,160 2,823	25,389 16,159	7 6	5 4	1	1 1	-	-	-	-	-	-	-	- 1	ī	-	-
123	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	12 19 9	4 - 5	1 2	1 -	-	-	1,1 +	1 -	1 1 1	-			-	2 -	1
1 2	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	16 -	6 3	-	4 2	-	-	-	-		-	- ~	-	-	3	
1 2	Sunbury w Staines WH	11,054 13,277	13,671 13,221	9 10	6	1 2	1 2	-	-	-	-	- 1	-	1 -	2	. 2	2	<i>-</i> _
1010	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	7 2 7	5 2 3	1 1	2 2 1		-		111	1 1 1	-	1			1	
123345	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	15 16 20 12 43	6 10 9 7 8	1 3 4 1 3	2 2 1 1 1	1 1 1 1	- 1 -	- 1 1 - 1		- - 1	1111	1 - - 2	1 1 1 1	1 1 1	1	11111
1234	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	4 3 59 12	3 2 20 6	7	1 6 1		- 1		1 1 1	1111		2	1 1 1 1	1111	- 4	
123	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	2 9 17	1 6 3	1 1 1	3 2	-				1 1 1		1 -	-		ī	-
123456	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	37 71 40 22 4 6	15 20 8 12 -	3 10 3 2 -	5 3 1	11111	1 1		2		11111	1 1 1 -	1 1 3 -	1 3 -	- 1 1	1
1 12	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	1	1		1	-		-		T -	-				1 1	-
1234587	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,266 4,334 6,501	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330	32 55 39 28 45 41 55	10 16 24 14 25 23 22	3 6 11 7 11 5 9	2 2 4 7 5 3	1 1 1 1 1 4 1	1 1 1	11111	3 - 1 - 1 5	1	- 1 - 1	2 2 - 2	- 2 3 - 2 1	1 3 4 - 1 2 1	- 4 1 - 6 -	1
2	Chigwell, part of* HHHH Epping WH, part of*-	11,779 —	12,941	7	5 -	1 -	2 -	-	-	-	-	-	-	-	-	-	2	-
1000	Romford, part of * WH - Ilford Barking Town, H	6,556 8,493 3,814	4,324 10,913 14,301	5 11 18	4 3	- - 1	1	-				1 1 1	ī -		-	1 -	1	1,1-1
	Middlesex County Asylum, Wandsworth. S.E. Fever Hosp., Deptford	-	-	·	6		3	-	-	1	-		-	-	-	-	6	-
he	parts of sub-districts include	1 -: 41-:-	(3)															

he parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring 3 follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst istrict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in eld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for the Couter Ring in 42: 2, Dartford: 137: 2, Watford; and 187: 2. Exping sub-districts.

TABLE 7 .- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 15th July, 1899.

:					- Dame			The DE	ATH	s regi	stered	in th	e Wee	k incl	lude		
	<b>.</b> .	Area	Population estimated	of MOR	L RATE TALITY 0 living.	DEATHS	Deat	hs of			1	Death	s fron	n.		*	al. Jane
	GREATER ' LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	rom ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Don thousand
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	
	GREATER LONDON		6,528,434	14.2	2:0	1781	489	419	1	55	5	50	29	9	96	90	5
	INNER LONDON - OUTER RING -	000 710	4,546,752 1,981,682	15.9 10.4	23	1387 394	367 122	321 98	1 -	48 7	1	37 13	26	8	75 21	67 23	1

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692°845 square miles, which is equivalent the area of a circle having a radius of 14°851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

							DEA	THS	FROM J	PRIN DISEAS	CIPAL ES.	ZYM	ОТ
	enumerated or estimated).	DATE OF RETU Week en	JRN.	BIRTHS. Exclusive	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.	Diounhoool
EDINBURGH - GLASGOW - DUBLIN - CALCUTTA - BOMBAY - MADRAS - PARIS BRUSSELS - AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHHISTIANIA - ST. PETERSBURG MOSCOW - BERLIN - HAMBURG - DRESDEN - BRESLAU - MUNICH - VIENNA - PRAGUE - BUDA-PESTH - TRIESTE - TURIN (10 days) VENICE - CAIRO - ALEXANDRIA - NEW YORK (including	733,903 349,594	July  " June  " " July  " " " June July  " " June July  " June July  " June July  " June July  " June July  " June July  June July  June July  June July  June July  June July  June July  June July  June July  June July  June	15   15   15   15   15   15   15   15	169 404 185 - 123 400 1106 252 281 215 91 - 141 174 556 - 854 799 170 422 - 200 184 80 - 1316	99 242 173 275 482 310 796 160 116 99 55 123 64 456 566 557 175 184 193 586 172 236 172 159 49 1070	17'3 17'2 25'8 30'7 30'5 35'6 16'4 15'1 11'7 16'3 14'4	6 2 1 5 7 7	- 8 7 - 10 4 19 6 6 - 3 6 11 3 - 11 1 2 1 1 1 16	1 1 1 ? ? ? 4 3 - 11 4 16 1 - 5 1 5 3 5 13	1 1 3 1 7 9 3 3 6 2 0 1 5 8 - 2 - 3 1 1 - 3 1 3 1	5 2 4 4 - ? ? ? 1 1 3 1 1 5 2 9 4 4 3 1 2 3 9	2 2 2 1 1 88† 58 89† 58 10 2 1 1 1 1 17 4 2 1 1 2 1 1 6 6	
BROOKLYN) ) PHILADELPHIA -	1,266,832	97	24	-	379	15.6	-	-	3	22	7	9	

Including deaths from croup.
† Including 22 deaths from plague in Calcutta and 53 in Bombay.
† Including 16 deaths from cholera in Calcutta, 1 in Bombay, and 3 in Madras.
† Including malarial fever.

								242		,, 000	yico	-										
		Ozone.		0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.3	26		ansof	ction: years r the	ter is	ables.	"and	neter.	ment,	week k.	1
Rain	in a	whose receiving	surraceis 5inches above the Ground.	in. 0.00	00.0	60.0	0.00	0.00	00.0	0.00	80.0	25		The mes	t correct twenty	d mini	trical T	ding 187	Hermometer meter	Instru	of the	
			Departure from Average of 16 Years.	Miles. - 45	6 +	92 -	+	+	68 +	- 13	Sum - 75	24		nean lev el. h.P.M.	cation of ing the	ulb the	Tygrome on of the	years en licates	tering F	unshine I	ginning end of	
rs.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	241	154	233	236	595	217	Sum 1538	23	midnight	to sealer	the application	he dry b ne maxin ure of the	ty are decaisher's Hadiscussic	that of the lety that the inc	ndexerror self-regist	in negative; w. weak; eCampbell-Stokes Sunshi	at the beg in. by the	
momete		he t.	Mean of 24 hourly obs.	1bs. 0.0	0.1	1.0	0.1	0.1	0.5	0.1	:	22	ghtto	eetab educe	es by toric	g of the operate	umidi by Gl	ords forming the	rtnen son's	egaur 1pbell	98 in.	
om Ane		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	midni	s 159 f	y bui 7 valu iic red 8 + bo	eadin dings of ten	neters prived	ng 189 ricrec ne in	Thom T	ine Can	om 29 used to	
luced fr		Press	Great-	lbs. 0.5	2.1	(F)	1.8	1.4	6.61	1.3	:	30	from	neter jeading	n dail	lean r le rea value	degreer ermor thatde	senar rometro	from	rave;	ased fri	
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	W. WSW.	SW. &	S. SSW.	SW.	W., WSW.	SSW. &	W. WSW.	·	61	civil day, or	of the baron lied to ther taken at 9h	d into mea of the photo	With the corrected mean reading of the dry bulb thermometer is corrected mean of the readings of the maximum and minimum perceed mean of the readings of the maximum and minimum principle mean daily value of temperature of the air (column 8). The	verature and wet bulbth of the air is	of the anen 124 it will h	nn 17 arenot ed. y is derived	re:-r. posi 8,derived for	meter decre	
		General Direction.	А.М.	WSW. & W.	SW.	SSW., SE.	SE, variable	SW, WSW.	SW. &	SW. WSW.	S	18	The results apply to the civil day, or from midnight to midnight.	The height of the circuit the Darometer is 159 feet above the mean level of the see, in occretion has been applied to the readings to reduce to sea level.  The mean been applied to the readings to reduce to sea level. The means of observations are usually taken at 91, A.M.; noon; 3, P.M., and 90, P.M., and the west build	the oper-graduings of the barometer, the dry bute intrimmentation of corrections the converted into mean daily values by the application of corrections discussed into mean daily values by the application of corrections and application of the photographic records made during the lowenty pears and the characteristic of the converted into 1888 for the	thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The	man dany dew point temperature and degree of humbuffy are deflued. However daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables.  The average temperature of the air is that derived from a discussion of the observations	made ar creenwich drinng the 80 years ending 1889, and that of notizoneal movement of the air from a discussion of the anemometrice cords for the 16 years ending 1875.  In reading columns 9 and 24 th will be borne in mind that + indicates "higher," and - "lower," than the average.	The Validosgryen in column if are not corrected for the index error of the uncernometer, which cannot be determined.  Which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer.	the symbols employed are: r. positive; n. negative; w. weak, m. mouceau. s. strong; and v. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the corresponded and pright structure of the companies of the constant of the consta	The reading of the baroneter decreased from 2998 in, at the beginning of the week to 2958 in, by 90, A.M. on the 12th; and increased to 30'04 in, by the end of the week.	
RE.		Of the Earth	3 feet lelow the Surface.	96.09	61.58	61.78	62.13	62.62	65.65	63.00	62.10	17	esults	ection h	meter, a from a	thermometers. combined the thermometers, f	ally derales of	ir Green tir from ading co	cannot ecord	mbols (g; and lumber)	reading in. by	
TEMPERATURE		tion	Lowest on the Grass.	6.09	53.0	55.3	54.5	46.0	41:1	78.5	44.8	91	The	The l	thermo	thermo combin thermo	daily v Thea	of the a In rec	which The r	s. stron	The to 29:58	
TEM	30	Radiation	Highest in Sun's Rays.	0.621	130.5	145.4	143.0	128.0	145.0	139.4	138.6	15		ntsof	very	tween after-	cloud	fine and generally		Very fine generally; partially cloudy in ternoon.		
	Degree	of Hu- midity (Satu-	ration equals 100).	29	73	f 9	89	29	72	25	29	14	· · · · · · · · · · · · · · · · · · ·	lamor	noon;	in bed	of	fing; gen		y clou		
ween			Least.	0-1	3.6	8.0	4.0	2.7	2.5	65.63	2.4	13	REMARKS.	h smal	l after afterw	ith raine an	nounts	noon;		artiall		
nee het	Temper Dew Po	aperatu	Great- est.	24.0	16.9	23.1	50.8	91.6	19.4	24.0	21.5	112		ly wit	st til	ing w very f	ge an arm.	ast till till 7h. Is.	loudy.	lly; I		
Difford	the Air Temperature	Ten	Mean daily value.	0 11.6	9.1	12.7	11.1	11.2	6.5	15.7	11.5	11	GENERAL	eneral	overes	in morning with rain between 1. A.M.; very fine and hot after-	with large amounts y. Very warm.	overce udy 1 srward	ially c	genera		-
	Of the	Dew point.	Mean daily value.	0.90	56.3	₹-8g	56.6	52.5	53.8	49.1	54.7	10	GE	fine g	Generally overcast till afternoon; very ne and partially cloudy afterwards.	dy in	uitl	Generally overcast partially cloudy till cloudless afterwards.	Fine; partially cloudy.	fine Jon.		
压,			De- parture from Average of 50 years.	0 +		8.8	+ 5.4	4 0.5	- 0.1	+ 1.6	9.8 +	-6		Very fine generally with small amounts of cloud.	Generally overcast till afternoon fine and partially cloudy afterwards.	Cloudy in morning with rain between 2h. and 5h. A.M.; very fine and hot afterwards.	Fine w generally.	Generally overcas partially cloudy til	Fine	Very fir		
TEMPERATUR		ir.	Mean daily value,	0.19	65.4	71.1	0.89	63.4	0.89	8.F9	66.5	00	Sun above Horizon, in hours.	16:3	16.3	16:3	16.2	16.2	16.1	1.91	Sum 113.5	56
TEMPE		Of the Air.	Daily Range.	0	8.01	24.0	23.1	18.6	24.5	16.2	20.8	7	nred Su ine H irs. in							22		00
			Low- est	0.95	59.2	59.1	59.5	2.90	6.09	57.5	6.99	9	Registered Sunshine in hours.	8.1	2.57	11.8	6.9	÷4	6.9	2.2	Sum 49.4	28
			High-	0.	75.0	83.1	82.3	75.1	1.97	74.0	2.22	12	of e.)	out -	out -	rally; n 2h.	out -	- nout -	ly -	ly -		
BARO-	Moan	daily	corrected and reduced to 32° Fahren-heit).	in.	878-99	29.729	29.630	29-829	29.940	30.010	29-850	1 4	Electricity. (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. generally; m. N. between 2h. and 4b. A.M.	w. P. throughout	w. P. throughout	w. P. generally	w. P. generally		27
		-	Moon.		Anogee	:	:	In	Equator	First Quarter.		3	ELE (For easympo	w.P.	w. P.	m. N. and 4b.	w. P.	w.P.	w.P.	w.P.		
			A	0				13	14	15	1	- un		6	- 10	Ħ.	y 12	- 13	- 14	- 15		3
	1000	1889.	MONTH AND DAY	JULY.	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
		_			_	-	-	-	-			-	-									

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PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 29. 1899. Vol. LX.] WEEK ENDING SATURDAY, JULY 22. Price  $1\frac{1}{2}d$ .

> General Register Office, Somerset House, July 24th, 1899.

# THIRTY-THREE GREAT TOWNS.

The deathsregistered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 18.4 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Weeks ending
Towns.	July 1.	July 8.	July 15.	July 22.	Towns. July July July 15, 22,
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	12·7 15·4 10·4 13·5 14·8 14·8 15·1 18·9 13·5 16·7 22·5 12·8 13·6 17·4	14·5 12·9 12·3 14·5 12·1 14·0 14·1 15·2 10·6 12·7 15·7 16·0	13·6 18·6 17·0 15·1 15·9 16·1 13·8 17·1 11·8 11·0 12·7 17·6 18·7 11·1 12·9	23·1 17·4 16·1 16·1 10·6 14·1 10·6 14·0 13·5 12·7 21·0 17·6 10·6 13·6	Leicester   13·9   16·3   17·3   12·5   Liverpool   21·3   24·2   23·3   26·5   London   14·9   15·0   15·9   18·5   Manchester   21·3   24·8   21·5   22·5   Newcastle-on-Tyne   14·6   16·6   19·2   16·5   Norwich   13·4   12·9   12·4   14·5   Nottingham   12·9   17·0   19·4   19·5   Oldham   14·2   17·3   13·8   15·5   Plymouth   13·5   18·1   15·0   22·5   Portsmouth   15·0   11·8   12·0   16·5   Preston   13·7   14·6   13·3   13·5   Salford   17·9   19·4   24·6   29·5   Sheffield -   20·6   21·5   24·1   26·5   Sunderland -   16·1   15·8   16·1   12·5   Swansea -   13·1   12·1   20·1   14·5   West Ham -   11·8   10·8   12·0   14·5   Wolverhampton -   17·6   14·7   21·1   11·5

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Oldham, 1.5 in Liverpool, 1.6 in Manchester, and 2.6 in Salford; from scarlet fever, 1.1 in Halifax; from whoopingcough, 1.5 in Huddersfield; and from diarrhaa, 2.0 in Bradford, 2.1 in London, 2.2 in Manchester, 2.4 in Salford, 2.6 in West Ham and in Leeds, 2.8 in Birmingham, 3:3 in Portsmouth, 3:9 in Liverpool, 4:1 in Nottingham, 5:0 in Birkenhead, and 5.2 in Sheffield. In none of the thirty-three towns did the death-rate from "fever" reach 1.0 per 1000. The 83 deaths from diphtheria included 42 in London, 12 in Leeds, 7 in Sheffield, 4 in Cardiff, and 3 in Salford. No death from small-pox was registered in any of the thirty-three towns.

### LONDON.

In LONDON† 2444 BIRTHS and 1589 DEATHS were registered. Allowing for increase of population, the births were 190, and the deaths 124.

<sup>\*</sup> By "estimated" population is meant merely the number of, persons who would be living if the mean rate of increase in the last intercensal period had since been maintained including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7 added to the Outer Ring, or to other areas to which they belong.

below the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 14.9, 15.0, and 15.9 in the preceding three weeks, further rose last week to 18.2. During the four weeks ending on Saturday last the death-rate averaged 16.0 per 1000, being 2.0 per 1000 below the mean rate in the corresponding periods of the ten years 1889–98.

The 1589 deaths included 46 from measles, 8 from scarlet fever, 42 from diphtheria, 20 from whooping-cough, 8 from enteric fever, 185 from diarrhea and dysentery, 7 from cholera and choleraic diarrhea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 316 deaths were referred to these diseases, being 87 below the corrected

average weekly number.

The deaths from measles, which had been 51, 50, and 48 in the preceding three weeks, further fell last week to 46, and were 9 below the corrected average; 5 cases belonged to Poplar, 5 to Lambeth, 4 to St. Margaret Westminster, and 4 to Islington sanitary areas. The deaths from scarlet fever, which had been 11, 12, and 4 in the preceding three weeks, rose again last week to 8, but were 12 below the corrected average; 2 cases belonged to Battersea sanitary area. The deaths from diphtheria, which had been 25, 31, and 37 in the preceding three weeks, further rose last week to 42, and were 3 above the corrected average; 7 cases belonged to Lambeth, . 6 to Camberwell, and 6 to Islington sanitary areas. The deaths from whooping-cough, which had been 26, 27, and 26 in the preceding three weeks, fell last week to 20, and were 22 below the corrected average. The fatal cases of enteric fever, which had been 11, 7, and 6 in the preceding three weeks, rose again last week to 8, the corrected average being 7. The deaths from diarrhaa, which had been 20, 28, and 75 in the preceding three weeks, further rose last week to 185, but were 47 below the corrected average. Of the 185 deaths from diarrhea, 176 were of children under 5 years of age: 57 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 159, 194, and 177 in the preceding three weeks, further fell last week to 149, and were 28 below the corrected average. The deaths attributed directly to influenza numbered 11, having been 12, 11, and 7 in the preceding three weeks. The death of a horse-keeper aged 43 years was certified as due to equinia.

Different forms of violence caused 77 deaths, concerning all but 7 of which inquests were held. Of these 77 deaths, 11 were cases of suicide, while the remaining 66 were attributed to accident or negligence. Ten of these were referred to vehicles in the streets, 9 to drowning, 3 to sunstroke, and 13 (of infants under one year of age) to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2653 cases of scarlet fever, 1488 of diphtheria, and 104 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 292 cases, against 302, 315, and 299; of diphtheria, 224 cases, against 225, 218, and 222; and of enteric fever, 23 cases, against 17, 11, and 22.

GREATER LONDON.

In Greater London 3465 births and 2071 deaths were registered, corresponding to annual rates of 27·7 and 16·5 per 1000 of the estimated population. In the Outer Ring 17 deaths from measles, 9 from diphtheria, 7 from whooping-cough, 2 from "fever," and 47 from diarrhea were registered. Eight deaths from measles, 4 from diphtheria, and 18 from diarrhea occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.87 inches, and that of the Thermometer 70.2; the latter being 7.2 above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 23 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 71.0 hours; the measured rainfall amounted to 0.06 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox. Scarlet Fover, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous.

			Marie and the second					В	ir	ths _	, 1	De _	at.	hs _	, (	an	d	Me	tec	ro	loį	Jy.	•			and the first	dus.						36
	CITIES	BOROUGHS	Gols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON.	BIRMINGHAM.	NORWICH.	LEICESTER.	DEBRY	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	GATESHEAD.	
ALL.		In Centi-	24.	0.11	0.15	1	0.03	0.16	ı	0.00	1	ı	0.16	1	ł	1 6	er o	1	2.03	1	I	1 1	1	ı	ı	1.88	1 0	- 1	1	0.58	t	1 1	
RAINFALL		n Inches.	1 33	0.58	90.0	ı	0.03	0.30	1	0.00	ı	1	0.30	1	ì	1 00	20.0	1	08.0	1.	t	1 ;	ı	ı	1	6.74	0.30	1	ı	0.53	1	.1 1	
EAIR.	'n.	Sentigrade.	2 2	17.94	21.55	1	82.02	20.17	1	18.11	1	1	17:33	ı	1	1 0.51	70 77	1	16.39	ı	ı	1 1	1	1	ı	15.80	1 19:51	100	1	16.39	1	1 1	
BOFTH	Mean.	tiednest.	ı E	64.3	70.5	1	69.4	68.3	1	9.79	ı	1	63.5	1	1	1 6	7 . 1	1	2.19	1	1	1 1	ě	1		9.09	1 09	1 1	1	9.19	1	1 1	
TEMPERATURE OF THE AIR.		p. Lowest.	30.	0.24	51.4	1	51.5	52.0	'	20.9	1	ŧ	49.6	1	1	1 0	0.74	ı	00.3	1	1	1 1	ı	ı	ı	0.84	40.0	H I	1	0.27	ž	1 1	
TRMPE		Highest.	19.	88.2	2.88	F	88.5	21.75	ı	1.18	1	1	20.5	ı	1	1 6.00	000	1	72.3	ı	1	1 1	1	1	1	78:5	1 74.6	H I	1	81.0	í	1 1	
	he Deaths.	From Diseases in Cols. 6-12.	18.	9.8	10	3.0	9.1	4.0	0.E	1.00	9.8	10	2.3	3.0	1.4	1.7	7.0	9 00	8.9	3.5	4.4	7.9	1.8	3.1	NI NI	ල ව	1.6	0.00	2.2	6.0	2.0	0.50	1 1
Annual Rate per 1000,	tot Week'sl	From All Causes,	17.	18.4	18.3	14.8	13.5	9.2	6.66	14.1	14.0	14:1	11.7	21.1	14.3	12.9	19.2	1.56	26.6	1.91	22.0	129.4	9.01	17.4	13.7	10.6	17.6	7.07	26.7	13.6	12.5	16.2	
	·ų1	Uncertified Causes of Dea	16.	48	21	1	1	1 -	н г	1	_	1	1	ಐ	П «	m -	- I	c,	9	H	_	1 1	23	ಣ	1	1	[ 00	0 1	0.3	, ,	7	!	
	•	Deatha in Public Institutions	15.	00 100 100	453	10	1-	ବୀ ଓ	0 10	20	∞ :	no	श	 	က	တ ၁၈ ရှ	07 T	67	99	က	44	17	( m	C/1 II			9 0	24	14	12	41 .	17	
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lude		Violence.	13.	191	77	67	7	4 <	۲	7	ଚୀ ମ		60	11	1	c4 (	24 1	67	14	6.2	r- 0	ם וה	ဂ ၈	~ .	~	, ,		a en	-	4	1	= ೧೧	-
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tered in	Deaths from	W hooping- cough.	10.	56	20	भ	1	1 1	1	1	ಣ	ı	1	ଦୀ	1	1 1	N 1	1	2	-	a (	× 17	۱ ا	07 1		೧೯	1 0	1 ec	1	কা	-	-	
The DEATHS registered in the Week include	Death	Oiphtheria,	s	83	42	ণ	1		1	1	40	2/1	-		1 (	ea (	77 -	4 1	1	1	1 9	m '	1 1	. 1	-	1	1	1 6	-	1	1	1	
EATH		Scarlet Fever.	∞ ∞	37	∞	1	ı	1	1	1	1	ı	-	1	ı		- 1	1 1	1.7	-	-	1 0	13 62	1	1	ı	द्धा र	O 01	4		1	1	1
The		Measles.	- 2	126	46	_	কা	1 -	1 1	ı	1	1	1	∞	ı	1 0	N I	-	18	-	17	Ξ =	° –	ବୀ	1	1	1 -	<b>-</b> or	9	1	_	1 -	_
		Small-pox,	6.		1	ı	ı	1 1	1	1	1	1	1	1	t	t	1 1	1	1	1	1	1	1 1	ı	1	ı	1	1 1	1	1	1	1	
	ths of	Persons aged 60 Years and upwards.	5,	726	317	22	11	9 6	13	17	9	9	9	27	20 0	133	7	• ∞	45	12	30	17. 9	9 4	H	07	9	න ද	27	10	133	10	10	11
	Deaths	infants under I Year of Age.	4:	1423	556	41	2	23 E	14	27	15	∞	-	99	11	77	~ °	23 0	121	13	81	2 42	3 00	12	9	<del>4</del> 1	0 g	1 6	16	17	ص : ا	99	1
Registered during	y 1899.	BIRTHS, DEATHS.	eri.	4028	1589	84	33	18	44	87	20	27 20 20 20 20 20 20 20 20 20 20 20 20 20	50	808	31	53	88	G 15	323	20	929	123	23	45	31	E :	00 E	991	185	61	35	£ L	1.1
Register		Вівтив.	ાં	6305	2444	163	99	80 O	00	146	100	21	62	277	85	96	92	2 2	390	16	341	133	41	64	29	£ 5	11.0	243	225	133	28	121	YOU
	POPULATION	to the middle of the Year 1899,*	1.	11,404,408	4,546,752	300,241	127,759	123,226	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	108 401	115.169	634,212	162,221	543,902	218,244	113.081	135,154	117,622	103,464	127.72	750,241	361,169	234,270	145,613	106,552	0.0000
	CITIES	AND BOROUGHS.	Cols.	33 TOWNS	1 1	Ш	NO	- NOT	<b>d</b>	10		3EA	WOLVERHAMPTON	BIRMINGHAM -	но	TER	NGHAM -	DERBY	TOO	1	MANCHESTER -	RD -	EX	BLACKBURN	NC	HUDDERSFIELD -	AX -	- CHC	TELD	. 1	SUNDERLAND -	GATESHEAD	37105
		OR		33 T	LONDON	WEST HAM	CROYDON	BRIGHTON	PLYMOUTH -	BRISTOL	CARDIFF	SWANSEA	WOLVE	BIRMIL	NORWICH	LEICESTER	NOTTINGHAM	DERBY	LIVERPOOL	BOLTON	MANCE	SALFORD	BITRNIEY	BLACK	PRESTON	HUDDI	HALIFAX	TERADEORD	SHEFFIELD	HOLL	SUNDE	GATESHEAD	Daniel Land

TABLE 2. LONDON .- Births and Deaths Registered in the TWENTY-NINTH Week of each of the Eleven Years, 1889-99.

G. P. C.	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2627 1341 1286	2346 1230 1116	2504 1293 1211	2541 1337 1204	2498 1280 1218	2423 1262 1161	2557 1307 1250	2429 1203 1226	2601 1366 1235	2505 1256 1249	2633°6 1354°6 1279°0	2444 1279 1165
TOTAL Deaths -  Males Females	1556 816 740	1522 805 717	1462 782 680	788 766	1855 1000 855	1405 744 661	1993 1037 959	1891 999 892	1708 921 787	1330 713 617	1712·8 905·4 807·4	1589 855 734

The numbers in this column are the average weekly numbers in the twenty-ninth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

TOTAL Births	29. 2693 2	623 2	13.	20.	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.
			2574 2	7500	لنحسد								
TOTAL Deaths	1478 1			2598	2306	2678	2445	2571	2422	2441	2484	2351	2444
		397 1	428 1	1419	1366	1483	1365	1316	1355	1297	1310	1387	1589
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	195 87 172 289	165 84 202 282	196 72 206 282	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279- 254 63
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery Cholera	45 6 26 54 - 4 - 10	36 10 21 47 7 12	49 2 40 39 - 8	51 9 24 39 6 7 12	- 61 5 23 34 - 4 - 10	67 4 24 33 6	1 93 5 28 27 -7 12	64 7 35 35 - 6 - 12	65 44 28 35 6	51 11 25 26 11 20	50 12 31 27 -7 28	1 48 4 37 26 - 6 - 75 2	46 8 42 20 - 8 - 185 7
All the above Diseases -	145	133	147	141	137	147	173	159	148	144	155	199	316
Dis. of Respiratory System- Phthisis	140 114 71 137	145 145 73 131	143 148 83 165	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 415	177 115 122 67 128 454	149 116 116 77 137 453
Mean of Highest readings -	57'3	55.3 6	62.2	54·4 62·7 48·3	49.5 57.1 43.2	58.4 70.8 43.6	61.1 73.3 49.1	56.3 69.3 45.1	60°7 69°7 53°7	62·3 73·1 53·8	62·3 71·9 54·3	66·2 77·7 56·9	70°2 83°2 57°∂
Humidity of the Air	76	67	<b>7</b> 5	75	78	60	64	67	73	68	71	67	58
Rain-fall (in inches)	0.79 0	00.00	0.01	0.97	0.66	0.00	0.00	0.00	0.21	0.74	0.13	0.09	0 06
Registered Sunshine (in hours)	17.8 4	19.7 4	13.0   3	33.9	29.3	95.9	72.1	68.0	26.2	43.9	31.4	49.4	71.0
CASES OF INFECTIO		KNESS	S IN H	HOSPI	TALS	AT T	HE EN	D OF	EACH	WEE	K.		
Diphtheria	997   10	40   10	065   10	066   1	$\begin{bmatrix} 1\\2201\\1111\\102 \end{bmatrix}$	2212 1134 99	2269 1159 97	$\begin{bmatrix} 1\\ 2280\\ 1170\\ 98 \end{bmatrix}$	2367 1230 10 <i>ð</i>	2430 1280 105	2530 1347 94	2602 1434 99	2653 1488 104

The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. ?reston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott. Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull

LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 4. TWENTY-NINTH Week of the Year 1899

			'1	W	ENI	1-Y'	NIN	TH	ı W	e	ek of the Year 1899.									
	r the years		In	the day,	Wee 22nd	k en i Jul	ding	399.				r the		Satu	n the	We 7, 221	ek er nd Ju	nding aly l	899.	
	ges for the 10 5*,		De	aths tl	of P	erso ges	ns o	Í.				ges for the 10		De	aths	of I	Perso Ages	nso	f	
AUSES OF DEATH	Averages ek of the 1889-98*,	. 23	τ	nde:	r	under 40.	under 60.	under 80.	and.		CAUSES OF DEATH	Averages k of the 1889-98*,	8.		Jnde 20,	r	under 40.	ler 60.	ler 80.	and
	Corrected 29th Week	ALL AGES.	0-1	1-5.	5-20.	20 and unc	40 and und	60 and und	80 years upwards.			Corrected 29th Week	ALL AGES.	0-1.	1-5,	5-20.	20 and unc	40 and under 60.	60 and under	8c years upwards
CAUSES	1712.8	1589	556	201	85	151	279	254	63		Diseases of Circulatory System }	115.4	116	2	-	9	22	<b>3</b> 5	39	9
II- {Vaccinated † - Unvaccinated No Statement les	0.4 0.8 0.3 55.1 19.5 0.2 0.1	- 46 8 -	14	30 6		1,11,111	-	1111144	111111		Croup	2*8 76*8 75*9 3*7 17*6	2 50 81 5 11	17 29 - 3	-	- 3 1 1	- 11 1	- 17 2 -	25 4 1 6	-2
enza - pring-cough theria - le Continued and defined Fever - ra and Chol. Diarr. thea, Dysentery - ttent Fever	5.4 42.2 39.1 0.4 6.5 6.8 231.8 0.1	11 20 42 - 8 7 185	1 13 2 - - 6 153 -	7 26 - - 23 -	-	2 - 4	1 2 -	4 - - 1 - 4	- 1 3 -		Dentition Quinsy, Sore Throat - Enteritis Gastro-enteritis - Peritonitis Diseases of Liver - Other Diseases of Digestive System	13:2 1:6 60:6 { 7:0 27:7 41:6	9 66 22 6 29 47	6 -47 12 1 3 14	10 2 1	1 2 2 1 3	2 2	- 3 4 2 17 10	4 2 - 6 11	1 - 4
ophobia	0·1 - 12·7 3·4	5	2	1	1 1 1 1 1	1	1 1 1	11111			Diseases of Lymphatic ) System & of Ductless   Glands )	2:3	4	-	-	-	1	2	1	-
nia and Septicæmia peral Fever – – r Zymotic Diseases	1.1 4.7 1.1	1 2 6 1	ī			5 -	1 1 -	1 1 1 1	=		Diseases of Urinary } System }	44.2	47	-	1	1	8	<b>1</b> 5	21	1
sh	1:2 0:4	-	-	-	-	-	-	-	-	-	Diseases of Generative System System Accidents of Childbirth-	4·7 4·2	6 2	-	1	-	2 2	2	1	
ration, Want of										-	Diseases of Locomotive } System }	6.4	4	1	1	-	-	1	1	-
ast-milk }	2·0 9·4	14	1	-		5	8	1	-		Diseases of Integumen-	4.6	7	1	1	-	1	-	3	1
matic Fever, eumatism of Heart matism ets er s Mesenterica - rcular Meningitis - isis - ula, Tuberculosis - r Constitutional eases	7·2 1·1 2·7 7·6 70·9 40·6 25·4 143·8 22·1 10·9	6 1 1 6 86 18 36 116 10 14	- - - 12 15 1 4	- 2 - 4 13 3 3 3	10	1 - 8 - 55 - 1	1 1 44 1 44 1 4	1 	4 - 2		VIOLENT DEATHS.;  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	52.7	4 10 2 - 3	1	-4 3	1 3	- 1 - -	2 1 1	1	
nature Birth etasis enital Malforma- } as } Age	52·9 3·4 9·3 35·9	45 2 9 42	45 2 9	-		-		- - 16	26	A SECOND CONTRACTOR OF SECOND	By Drowning By Suffocation in Bed - By Poisons or Poisons Vapours Other or not stated causes		9 13 1 24	- 13 - 9	1	6 - 1	1 1	- - 5	5	- 2
plexy	35·9 7·3 47·6 85·2	38 4 44 44 86	- 35 14	9 9	_	1 2 - 6	15 1 - 19	19 1 - 31	3 - 3	STATE OF THE PERSON NAMED IN COLUMN SAME	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	2:1 9:6 0:1	11		1 - 1	111	- 2 -	-4	4	-1-
ses of Organs of }	3.9	2	-	1	-	1	-	-	-	Martiness Today	OTHER CAUSES	79.7	74	63	2	1	-	4	4	-
he numbers in this co	lumpar	a tho	0770		_	}-	1 2		1	6 8	w the ten weard 1889_08 rais	ad br. 5")	12 na	79 (1)	ant	for	in	res	990	

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase equiation, any those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered lead men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the effect of death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of lent, murder, manslaughter or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in & SUB-DISTRICT during the Week ending Saturday, 22nd July, 1899.

				I			The	DEAT	'HS re	giste	red di	iring	the W	eek i:	nelud	le	
G. Committee	Enume-			Des	thsof					Deatl	hs fro	m					tions,
REGISTRATION SUB-DISTRICTS.	Population,	Tota BIRTHS,	Total DEATHS.	Infants under 1 Year	Persons aged 60 Years and upwards.	Sruall-por.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhes.	Violence.	Inquest Cases.	Deathsin Public Institutions
LONDON -	4,411,710	2,444	1,589	556	317		46	8	42	20	-	8		185	77	137	453
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	368 529 108 468 971	260 321 86 326 575 21	84 98 34 150 190	61 71 11 51 117 6	1 11111	6 9 1 8 22	21 - 5	4 9 1 3 25	35-48	11111	1 1 1	11111	32 35 5 60 52 1	12 14 5 16 30	20 26 6 35 49	73 101 28 82 148 21
WEST DISTRICTS.  St. Mary Paddington G. & W.  WHH  St. John Paddington H G.	90,996 33,510	61 12	26 6	5 2	10 2	-		1	1 1			-		2	1 -	1 -	6
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	45 11	55 2	22 1	14	7 1	-	-	-	. 1	-	-	-	6	3 -	6 ~	18 1
North Hammersmith $\uparrow H$ South Hammersmith $\uparrow H$ W. & G Fulham $Ww = -$ W. & C.	44, <b>6</b> 38 59,5 <b>6</b> 1 113,781	30 34 83	21 15 43	11 3 18	2 3 10	1 1 1	1 1 1	- 1	1 1 2	1		- 1		4 2 7	1 3	323	3 17
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	11 22 <b>1</b> 5	3 13 9	3 2 2	- 4 4		1 1 1	1 1 1		1-1-1	1 1 1	-	-	2 1 -	1 1 1	-1	7
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	12 12 12 3	10 27 13 10	1 5 5 2	4 4 1 1		2 4	1111	1.1.1	1 -	1111	1111	111	3 1 1	1 2 -	3	6 8 - 4
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N.	23,050 12,048	14 1	6	2 -	1		1	1 1	-	1 -1	-	1 1		1 -	-	1 -	2 -
NORTH DISTRICTS.  All Souls Marylebone	36,595 19,798 19,637 32,547 32,611	12 10 25 7 9	16 8 11 11 1	4 1 4 5 -	1 3 2	1 1 1 1 1	11 1 1	1 1 1 1	1 1 1 1 1	11111	1 1 1 1	1 1 1 1	1111	2 2 4 -	1	3 1 2 -	9 1 3 -
$\left. \begin{array}{c} \text{Hampstead} \\ \text{WwHHHH} \end{array} \right\} - \text{N. \& W.}$	75,449	40	19	5	5	-	1	1	2		-	1	-		1	1	4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	20 6 25 7 14 51	8 18 16 11 8 21	1 1 8 6 3 5	2 4 3 3 4 4	1 1 1 1 1	- 1 - 1	11111	1	11111	1 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 4211	- 1 1 1 1 1	1 1 1 1 4	- 14 6 4 5 3
$ \left. \begin{array}{c} \text{Upper Holloway} \\ \text{$WWWwHH} \\ \text{Islington South-west} \\ \text{Islington South-east} \\ \text{Highbury} \\ \text{$HH$} \\ \text{-} \\ \text{-} \\ \text{N}. \end{array} \right. $	98,273 107,365 66,549 64,577	41 73 42 28	36 25 14 11	6 11 4 6	11 4 2 1	1 1 1	2 - 2	1 1 1	- 1	1 2 1	1 1 1	1 -	1 1 1 1	1 1 1 -	3 1 -	2 1 1 -	27
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	11 20 21 34 33	6 11 18 18 34	- 4 9 15	4 3 2 4 6	11111	1	11111	. 1 . 5		11111	- 1 -	11111	1 1 2 6 5	- 2 - 2	1 - 4 - 2	- 6 6 13

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District that that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which papers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signiform of the Sub-districts;—G. signiform of the Sub-districts of Sub-districts;—G. signiform of the Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

LE 5. LONDON.—Population; Births; Deaths from all Causes, and from SMALL-POX, Measles, Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each Sub-District during the Week ending Saturday, 22nd July, 1899—continued.

							Th	e DE.	ATHS	regis	tered	durin	g the	Weel	kinel	ude		
	Enume-			Deat	hs of					Death	s fro	m					tions	of
REGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.	Total DEATHS	Infantsunder I Year of Age.	Persons aged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued	Diarrhosa,	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes
CENTRAL DISTRICTS.																		
Heorge Bloomsbury N. Hiles South $WH$ N. Hiles North $H$ N.	16,110 12,976 9,151	4 8 5	3 5 1	2 2 1				-			-	-	1 1 1	1 - 1	1 -	-	3 -	-
Martin-in-the-Fields $HHN.\&C.$ and $WHHN.$ and $Union$ Workhouse, Edmonton	13,077 11,839 +1,037	8 3 -	3 2 -	2 -	1 1 1	1 1 1	1 -		-	-	-			1 1 1	111	1 1 1	2 -	
born wHHHHHHHH - N.    Names Clerkenwell - N.   well Clerkenwell - N.   well-street - N.   yell-street - N.   yell-street - N.   teeross-street - N.   bury - N.   born Union Workhouse,   tcham - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	11 7 19 8 27 2 1	18 6 8 6 13 2 -	7 2 4 2 7 1	51112	1111111	1111111	1111111	1	1 1 1 1 1 1 1	111111	1111111		1 1 1	1111111	111111111111111111111111111111111111111	7 - 3	1 1 1 1 1 1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,870 3,299 9,591 9,059 2,892 †388	2 1 1 - -	1 16 2 -	4	- 1		-	11111	11111	111111.		1		1	111	31 -	13 -	11111
EAST DISTRICTS.  reditch South $Hl$ - E. & N. ton New Town $w$ - N. ton Old Town N. & E. gerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	9 10 12 31	5 16 19 31	2 9 15 17	1 2 - 6			1111	1111	1 - 2	1111		3 1111	1 4 12 10	- 2	12-3	4 7	1111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	49,301 34,194 45,667	26 15 32	13 7 22	888	1 2 7	-		1 1 1	1 7 1		1 1 1		-	1 4	- 1	1 1 2	10	-
alfields E.&N. End New Town* WH - E. dman's Fields* E.	26,681 } 51,995 {	25 24 8	4 37 1	10 1	5 -	1.1	1		1	111		-	-	111	5 -	- 6 -	31	-
George's North E. John, St. George East W E.	39,576 7,930	33 4	17 6	11 2	3 -	-	ī	-			-	1 -	-	2 1	1 -	2	- 2	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	1 7 16	7 5 12	4 4 9	2		1 - 1	-	-	-		-	-	1 2 1	2	- 3	4	
e End Old Town West H E. e End Old Town East } - E.	} 111,060	{ 39 41	21 25	13 6	2 5	-	-	-	1	-	-	ī	-	44	1 -	1 2	2 4	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	40 46 49	9 38 31	4 9 13	285	-	3 2		- 1	111			-	3 7 3	222	235	17	111

TABLE 5 LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEEA, VIOLENCE, &c., registered in each Sub-District during the Week ending Saturday, 22nd July, 1899—continued.

SUB-DISTRICT during the We	ek ending	g Satu	rday,	22n	d Ju	ly,	1899	cc	ontir	rued	•						
		-					The	DEAT	'HS re	gister	ed du	ring t	he W	eek i	ıclud	е	
	Enume-			Deat	hsof				,1	eath	fron	a'					utions
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896,	Total BIRTHS.	Total DEATHS.	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever,	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued	Diarrhœa.	Violence.	InquestCases.	Deaths in Public Institutions
SOUTH DISTRICTS.																	
Christchurch Southwark   WHL.&S.	13,064 12,801 22,879 16,083 21,316 28,723 62,045 30,171	5 12 8 7 16 42 15	3 7 5 15 11 7 26 7	1 3 3 4 2 3 12 5	1 4 1		2 2 2	THEFT	1	2 2 1 1 1 1	11111111	1111111		1 1 2 1 1 3 1	1 1 1 - 1	- 1 1 1 3	1 1 9 1 1 1 1
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	8 62 23	13 25 12	3 10 2	1 6 5	1 1 1	3	. <u>-</u>	-	1111	-			1 4 -	2 -	2	10 - 8
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	18 11 27 39 28 37 10	17 16 20 15 10 16 6	8494261	22423333	111111	2 1 1 - 1	1111111	- 1 1 - 1		111111	1	111111	2 1 2 - 1 -	1 3 - 1	1 3 2 1 - 1	6 12 8 - 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	27 49 32 41 7 44	19 30 22 13 4 15	10 5 12 5 2 2	2002413	11111	1	2	- - - 5	1	11111	11111		4 - 6 2	1 1 - 1	4 3 1 1 - 2	11 1 1 8
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 47 48 46	2 46 21 27	8 13 11	1 16 2 3	1 - 1 -	1 2	1111	2 -	1111		1111	1111	- 1 4 6	2333	24 3	26
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	28 34 15 11 24	12 27 8 10 23	48325	24239	11111	111-	2 -	- 4 1 -	1	1 1 1 1	11111	11111	1 4 - 1	- 1 1 2	1 2 3	- 6 - 1 16
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	1 9 32 19	9 18 5	3 3 1	- 4 5 2	1 1 1 1	2 -	1.1.1.1	5		-		1111	- 1	1 -	1	1
Charlton $wHH$ K. Woolwich Dockyard K. Woolwich Arsenal $HHHH$ - K. Plumstead West $H$ K. Plumstead East $WH$ K.	15,928 19,355 21,959 16,714 42,538	15 8 14 9 35	7 3 5 3 15	317	2 2 4	THEFT.	1	1	4	11111	-	11111	1111	1	2	1 2	6 - 6
Banstead Asylum Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum Condon County Asylum, Dartford Heath Colney Hatch Asylum		1141144	3 -2 -1 1 2 4 4 4 4 	TITLE LITTE	1 2 2 1 1 1		THE PLANE				1,111111111	1	1 - 1 - 1 - 1 - 1 - 1 - 1	1		1	3 - 2 - 1 1 2 4 4 4

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE [OSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week nding Saturday, 22nd July, 1899.

			1	1				The	DEA	THS	egist	ered i	n the	Week	inclu	ıde		
			Enume-			Deat	hsof	1		:	Death	s from	n					
t	REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Population, 1891.	BIRTHS,	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
)]	DON-OUTER RING -	368,749	1,422,063	1021	482	153	117	-	17	-,	9	7	2	47	16	28	59	2
	Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	7 8	7 5	2 -	2 4	-	1 -	-	-	1.	-	- -		-	2	ī
	Godstone, part of* W -	2,754	1,598	***		-	-	- 1		-	-	-	-	-	-	-		-
	Croydon WwHHH	20,851 11,697	128,699 23,072	66 12	41 5	8	13	-	2 -	-		1	-	2	1	5	10	-
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	27 15 5 7 15	12 11 1 4 3	1 - 1 .1,	3 5 - -	11111	11111	11111	1 -	11111	11111	1111		- 101 -	5 1	
	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	10 15	13 1	3 1	5	-	-	-	-	-	-	1	-	-	3	-
	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	21 15 17	4 3 5	1 1 1	2 - 3		1 1 1	1111	-	1 1 1		1 1 1	1 -	1 -	1 2	
	Bexley HHH Dartford WH, part of * -	12,540	30,590	21	14	2 -	7 -	-	1 -	-	. 2	-		- 1	1 -	1 -	1	1 -
	Sunbury w Staines WH	11,054 13,277	13,671 13,221	5 6	2 3	2	2	-	-	-	-	-	-	1 -	ī		-	-
	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	$\begin{array}{c} 10 \\ \frac{2}{7} \\ \end{array}$	4 2 5	2 3	1 1	-	-			1		- 1	1 1 1		1	
	Isleworth WHH Twickenham HH Brentford HHHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	12 7 20 10 16	9 1 17 9 19	$\begin{bmatrix} -6\\ -7 \end{bmatrix}$	3 4 3 2	1 1 1 1		1111		1 1 1 1 1		Gt - Cj - 1	1 1 1	1 1 3	6 1 1 -	11111
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	11 63 15	16 5	2 -6 1	2 - 4 2	1 1 1 1	- 1		- 23	-	- 1 -	- 3 -	1111	1 1 1 1		
	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	6,367 14,152 25,820	8 11 16	3 4	- - 1	ī -	1 1 1	-		-	-			1 1		1 1 4	-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	30 63 42 26 - 6	14 29 24 3 1	3 14 12 1 -	3 6 6 - 1	111111	1 -	-	1	1	11111	1 2 4	2 1	- - - 1	4	11111
	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	- 5 -	- - 2	-	- 2			-	-	-	-	-		1 1 1	- 2	
	$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	38,612 53,030 54,750 53,511 32,713 70,188 57,330 12,941	27 55 51 30 63 51 53	18 26 28 7 16 32 27 6	8 17 12 2 7 8 5	2 1 1 3 9 8	1111111	1 1 3 3	111111	1 - 1 - 2	1 1 - 1	1	3 7 4 - 2 2	2 1 1 1 1	1 1 3 2	2 1 1 10 1	1 1 1 1 1 1 1 1 1
	Epping WH, part of * Romford, part of * WH - Ilford	6,556 8,493 3,814	4,324 10,913 14,301	2 21 13 -	1 4 7 2	- 2 4 -	1 -	1 1111			-			1 3 -		1 1 1 1	- 2	
-	0				The second secon													

neparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows:—30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282): 41: 3, Chislehurst strict, except the parishos of Chelsfield, Cudham, and Knockholt (pop. 3,097): 135: 1, the parish of Northaw in Idaub-district; 187: 1, Chigwellsub-district, except the parish of Bogenham in Romford sub-district; also deaths in Workhouses and Hospitals for loves 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for loves 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for loves 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for loves 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for loves 1, the parish of Dagenham in Romford sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 22nd July, 1899.

				L RATE			The Di	ATH	S regi	lstere	l in th	e We	ek ind	clude		
GREATER	Area	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of				Deatl	ıs fro	m			1.110
LONDON.	în Acres,	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	Tom ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles,	Scarlet Fever.	Diphtheria.	Whooping	Fever	Diarrhœa.	Violence.	Donthein Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	1
GREATER LONDON	443,421	6,528,434	16.5	3.1	2071	709	434	_	63	8	51	27	10	232	93	5
INNER LONDON -	74,672	4,546,752	18.2	3.2	1589	556	317	-	46	8	42	20		185	77	4
OUTER RING -	368,749	1,981,682	12.7	2.2	482	153	117	-	17	-	9	7	2	47	16	

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

	and in (		n certain	FOREIGN	CITIES.								
	POPULATION	DA	mva			ANNUAL	DE	ATHS		r Pri Disea		L ZYM	OTI
CITIES	(enumerated or estimated).	DA OF RE Week	TURN.	BIRTHS.	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosal
EDINBURGH -	298,927	July	22	175	90	15.7	_	~_	-	2		3	
GLASGOW	733,903	12	. 22	513	261	18.5	_	15	6	1	3	1	. 9
DUBLIN	349,594	99	22	182	147	21.9	-	4	2	2	2	1	1
CALCUTTA	466,460	June	10		224	25.0	_	_			-	71+	9
BOMBAY	821,764	.,,	27	145	513	32.5	14	14	2	. ?	9	94†	1 1
MADRAS	452,518	1 9	9	343	332	38.1		8	.9	9	- 9.	67	7
PARIS	2,511,629	July	15	1148	887	18.3		25	6	7*	5	13	
BRUSSELS	551,011	,,	15	288	155	14.4		1	2		9	3	1
4	517,595		8	286	134				-				
AMSTERDAM -	314,227	27	8	217	94	13°5 15°5	-	-	1	1		2	
THE HAGUE -	199,285	17	8	112	50	13.1		_		~	5	-	-
			15	241					_	_	1		
COPENHAGEN - STOCKHOLM -	345,000 291,580	77	8	166	123	18.6		1	2	2	~		
CHRISTIANIA -	221,073	77	15	112	74	20·9 17·4	-	4	-1		2	1	
		27						_				-	1
ST. PETERSBURG MOSCOW	1,132,677 988,610	32	8	478	532 643	24.5	1	14	7	11	6	19	8
		79			1	33*9	3	8	5	7	3	5	25
BERLIN	1,818,517	. 99	1	890	573	16.4		15	8	8	10	1	
HAMBURG	675,351	, ,,	15		. 271	20.9	-	1	-	5*	7	. 1	2
DRESDEN BRESLAU	394,300 406,012	June July	3 15		700	-	-		-	-	-	-	
MUNICH	445,000		8	303	180	23'1	-	2	2	2	-	1,00	3
~		97				22:1	-	- 1		149	1	-	3
VIENNA PRAGUE	1,623,134	"	15	922	659	20.9	-	9	12	10	2	2	9
BUDA-PESTH -	384,622 666,722	77	15 8	172 393	139	18.8	-	1	-	3	2	-	
TRIESTE	166,599	June	8 24	393	267	20.8	-	. 2	9			1.	1
ROME				-	-	- 1	-	-	-	-	-		
TURIN (11 days)	505,850 344,203	Morr	. 24	210	130	13.4	-	-	-	1	- '	2;	2
VENICE	171,023	May July	31 8	227 96	207	20.0		-	-	4	5	3	2.
				90	66	20.1		-	-	5*	-	. 1	
CAIRO	570,062 319,766	May	5 5	-	-		-	-	-	-		-	i
	310,100	97	5	-	-	-	-	-	-	-	-	-	
NEW YORK (including	3,550,053	June	24	1344	1160	17.1	2	10	74	200	10	5	12
BROOKLYN) PHILADELPHIA -				1011			Z	12	14	30			
- AILADELL HIA -	1,200,002	July	1	-	420	17.3	-	-	2	15	6	7	4
1				ľ,	1		:					1	

Including deaths from croup.
Including 8 deaths from plague in Calcutta, and 50 in Bombay.
Including 8 deaths from cholera in Calcutta, and 1 in Madras.
Including 1 death from malarial fever.

_	_				_																	
		Ozone.		90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	98		sea;	rears the	The	ples.	and and	eter, eter.	ent,	week 22nd;	
Rain	in a	whose receiving	gurfaceis 5 inches above the Ground,	in.	0.00	0.00	0.00	0.00	0.00	90.0	8mm 90.0	25		Che mea	wenty 1868 for	d minin	crical Ts	I move ling 1878 higher,	lectrom moder	Instrum	of the w	
		on's.	Depar- ture from Average of 16 Years.	Miles.	- 108	- 97	- 11	- 23	1 58	32	Sum - 449	24		ean level.	arion on graph of the transfer	um an air (col	uced ire ygromet nof the	rizonta ears end icates"	of thethering Elask; m.	nshine	inning c	
.B.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	123	134	221	506	174	198	Sum 1172	23	nidnight	ve the m o sea leve f.,and 9h nometer	ade duri Agears	e ary or maxim reofthe	y are ded isher's H liscussio	the 16 y at + ind	ited for the index error of the the rmometer. Thomson's self-registering Electrometer. N. negative; w. wesk; m. moderate	tokesSu	the begi y 0h. 30m	
nometer		he.	Mean of 24 hourly obs.	lbs.	0.1	0.0	0.1	0.5	0.0	0.1	:	22	httor	duce to 3h.P.A	rds m	or the of the peratu	midit oy Gla rom ac	and th rds for lind th	theind on's se	bell-S	in. at	
om Ans		Pressure on the Square Foot.	Least.	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	212	nidnig	s 159 fe s to re noon; r bull	value ic recc the t	ings ings of tem	e of hu leters   rived f.	g 1890,  creco  e in m	edfor homse	Cam	m 30.0 to 29.8 sek.	i
duced fr		Press	Great-	lbs. 0.1	1.5	2.0	2.0	2.0	1.0	1.0	:	8	from r	ading A.M.; he dry	graphi graphi laring	ean re e read value	aegre ermom hatde	sendin ometri s born	from Tive;	om the	sed fro	
Wind as deduced from Anemometers.	Osler's,	General Direction.	P,M.	NE. E. &	ESE. & E.	SSE. &	SSW.S.	E. & ESE.		N. & WSW.	ariable	19	The results apply to the civil day, or from midnightto midnight.	The height of the distern of the barometer is 189 feetabove the mean level of the ees. to correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 81. A., noon; 31. P. M., and 91. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb them one fer, and the wet bulb.	also are also as a second of the photographic records made during the photographic records made during the procession of the photographic records made during the twenty years that the photographic records made during the twenty years the photographic records made during the twenty years to the parameter, and during the twenty years ending 1868 for the photographic records made during the twenty years ending 1868 for the theory of the photographic parameters.	combined the corrected mean regaling of the try but utermometer as combined the corrected mean regalings of the maximum and minimum combined the corrected mean of the readings of the maximum and minimum man range for the maximum and minimum man range for the control of the co	daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables.  The average of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables.  The average temperature of the sair is that derived from a discussion of the observations.	and a state of the sir from a discussion of the area of the first of the first of the first of the sir from a discussion of the area of the area of the sir from a discussion of the area of the area of the sir from a discussion of the area of the area of the sir from a discussion of the area of the area of the sir from a discussion of the area of the area of the sir from a discussion of the area of t	The values given, tail the Writing.  The valuesgiven in column. Tarenot corrected for the index error of the thermometer, which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate;	s. strong; and v. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggreeated in a finish sunshine on each dear	The reading of the barometer decreased from 30'04 in, at the beginning of the week to 29'76 in by 5h, rm, on the 19th; increased to 29'88 in, by 0h, 30m, a.M. on the 22nd; and decreased to 29'70 in, by the end of the week.	
		Generall	А.М.	SW.	variable. Variable	ESE. &	SSE, S.	E. ENE.	Variable.	NNE. NE.	Vari	18	pply to the	as been app are usually gs of the b	discussion	corrected forming the	the dry and emperature	wich during a discussion lumns 9 and	The valuesgiven in column 1 which cannot be determined.  The record of Electricity is The symbols employed are:	s. strong; and v. variable. The numbers in column 2 show the aggreeate duratic	of the baron to 2970 in. b	
RE.		Of the Earth	below the Surface.	63.21	63.38	63.53	63.31	64.37	64.90	65.30	64.09	17	esultsa	eignt of setion h vations -readin	from a 1873 for	ad the	lues of	ir from	aluesgi annot l annot l scord o	t; and unbers	eading in, by reased	
PERATU	**	tion	Lowest on the Grass.	43.6	41.0	44.7	46.9	8.27	29.2	2.09	48.6	16	Ther	no corre	deduced	combine	daily va	of the al	The vi	s. strong The n	The r to 29.76 and dec	
TEV		Radiation	Highest in Sun's Rays.	135.2	153.5	146.0	158.0	146.9	150.0	142.8	2.271	15		evening; Gloomy	cloudy	ounts	dy in	eloud o ob-	light- small ercast . 30m.	owers	pt. A	
	Degree	midity (Satu-	ration equals 100).	28	62	55	51	90	99	72	28	14	20.		ally c	all am	r clou	int of ar hal	sional with C.; ov	tht sh	at nig	
мееп			Least.	0.8	1.0	2.9	0.8	4.6	3.6	0.0	3.4	13	MARK	ady ti t nigh l 2h. P.	partially	y; sma	rtially	amou al sola	fine fine h. P.M betwee	ith lig	htning. M.	
noe bet	Temper Dew Poi	aperatu	Great-	25.5	9.87	58.6	30.5	56.6	32.0	₹.12	28.5	12	L RE	ly clor fine a	ning;	tot da	hot; partially cloudy	t; the Parti	g with very till 10	A.M. w	20m. P	
Differe	the Air Temperature and Dew Point	Ten	Mean daily value.	15.1	13.4	17.1	19.5	19.6	9.91	9-3	15.8	111	GENERAL REMARKS	artiall very 30m. A.	n mor	and h	ıd	nd ho	rnoon. lorning inder; loud ith ligl	1 11h.	ecasion at 5h.	
	Of the	point.	Mean daily value.	49.9	52.9	6.19	54.5	24.0	57.5	0.09	54.3	101	GE	and pss and not not not 11h.	Very fine in morning; terwards; very warm.	very fine and hot day; small amounts loud at times.	Very fine and rly morning,	Very fine and hot; the amount of cloud as usually small, Partial solar halo ob-	ty in mod through of colors will be colored the colored transfer of colored transfer will be colored transfer will be colored transfer will be colored transfer will be colored transfer will be colored transfer will be colored transfer with transfer will be colored transfer with transfer will be colored transfer with transfer with transfer with transfer will be colored transfer with transfer	od 11h. P.M. Overcast till 11h. A.M. with light showers morning: fine till evening. cloudy affer-	with o	
·H.		De.	parture from Average of 50 years.	+ 1.8	+ 3.5	0.9 +	+10.7	+10.9	+111-1	F.9 +	+ 7.3	6		Fine and partially cloudy till cloudless and very fine at night, between 11h. 30m. A.M. and 2h. P.M.	Very fine in morning atterwards; very warm.	A very fine an of cloud at times.	Very fine an early morning,	Very fine and hot was usually small.	Served in attention. Cloudy in morning with occasional light- ning and thunder; very fine with small amounts of cloud till 10h. P.M.; overcast alienwards with lightning between 10h. 30m.	and IIn. P.M. Overcast till IIh. A.M. with light showers in morning: fine till evening elondy after-	wards, with occasional lightning at night, slight shower at 5h. 20m. P.M.	
RATOR	į.		Mean daily value.	65.0	8.99	0.69	73.1	73.9	74.1	69.3	70.5	000	Registered Sun above Sunshine Horizon, in hours.	16.1	16.0	0.91	16.0	15.9	15.9	15.8	Sum 111.7	29
TEMPERATO	Of the Air.		Daily Range.	23.8	27.7	25.3	58.6	52.6	26.1	19.5	25.3	7	red Surine Hours, in									
I			Low- est	52.9	51.4	2.99	26.2	1.09	62.4	62.3	57.6	9	Registe Sunsh in hou	4.8	0.11	12.8	13.8	11.8	10.1	1.9	Sum 71.0	28
			High-	7.97	79.1	82.0	88.1	0.98	88.5	81.8	83.5	2	of (e,)	ly; a	V ; W.	ont -	ont -	out -	K till gene-	A.M.; with	and ls.	
METER.	Mean	reading (cor-	and re- duced to 32° Fahren- heit).	in. 30.015	29-940	29-915	29.793	29.786	29.836	29.768	29.862	. 4	ELECTRICITY. (For explanation of symbols, see Note.)	general N. durii	w. P. generally; w. at 3h. A.M.	w. P. throughout	w. P. throughout	w. P. throughout	and v.; w.P.	till 6h.	occasional v. P. am. N. afterwards.	27
	Phases	ofthe	Moon,	:	:	:	:	Greatest	: ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	Full		60	ELH (For es	w. P. generally; a little w. N. during the evening.	w. P. gener N. at 3h. A.M	w.P.	w.P.	w.P.	v. P. and v. N till 7h. A.M.; w. P. gene- rally afterwards.	w. P. till 6h. A.M.;	occasio m. N. al	
			g.	91	- 17	- 18	У 19	50	- 21	23	1	- uu		16	- 17	- 18	V 19	- 30	- 21	- 53		
	1899.		Момтн амр Дах	JULY. SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. JULY.	SUNDAY -	MONDAY -	TUESDAY -	Wednesday	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 30. 1899. Vol. LX. WEEK ENDING SATURDAY, JULY 29. [Price 1 d

> General Register Office, Somerset House, July 31st, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 20.7 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

8.	July 15.	July 22.	July 29.	Towns. July July July July
20 0 1 1 1 10				8.   15.   22.   29.
Birmingham - 12: Blackburn - 12: Bolton 14: Bradford - 12: Brighton - 14: Bristol - 14: Burnley - 16: Cardiff 15: Croydon - 10: Derby 12: Gateshead - 15: Halifax - 16: Huddersfield - 17	$egin{array}{l} 13.6 \\ 9 \\ 18.6 \\ 3 \\ 17.0 \\ 5 \\ 15.1 \\ 15.9 \\ 9 \\ 16.1 \\ 13.8 \\ 117.1 \\ 211.8 \\ 611.0 \\ 712.7 \\ 717.6 \\ 018.7 \\ 611.1 \\ 412.9 \\ \hline \end{array}$	23·1 17·4 16·1 16·1 10·6 14·1 10·6 12·7 21·0 17·6 10·6 13·6	21·1 13·1 17·4 16·3 16·9 13·6 18·4 11·5 13·9 16·2 13·7 15·5 13·1 18·7	Leicester   16·3   17·3   12·9   14·   Liverpool   24·2   23·3   26·6   29·   London   15·0   15·9   18·2   21·   Manchester   24·8   21·4   22·0   24·   Newcastle-on-Tyne   16·6   19·2   16·2   14·   Norwich   12·9   12·4   14·3   15·   Nottingham   17·0   13·4   19·2   20·   Oldham   17·3   13·8   15·2   17·   Plymouth   18·1   15·0   22·8   22·   Portsmouth   11·8   12·0   16·9   19·   Preston -   14·6   13·3   13·7   19·   Salford   19·4   24·6   29·4   25·   Sheffield   21·5   24·1   26·7   27·   Sunderland -   15·8   16·1   12·5   17·   Swansea -   12·1   20·1   14·1   15·   West Ham -   10·8   12·0   14·6   25·   Wolverhampton -   14·7   21·1   11·7   12·

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1:1 in Manchester, 1:4 in Burnley, and 1.9 in Salford; from whooping-cough, 1.0 in Plymouth, in Bolton, and in Huddersfield; and from diarrhea, 3.3 in Leeds and in Hull, 3.5 in Manchester, 3.6 in Birmingham, 4.0 in London, 4.1 in Portsmouth, 4.8 in Nottingham, 4.9 in Preston, 6.7 in Liverpool and in Salford, 7.3 in West Ham, and 8.7 in Sheffield. In none of the thirty-three towns did the death-rate from "scarlet fever" or from "fever," reach 1.0 per 1000. deaths from diphtheria included 35 in London, 8 in Sheffield, 6 in Leeds, 5 in Liverpool, 4 in Leicester, 3 in Brighton, 3 in Swansea, and 3 in Birmingham. Two deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2494 BIRTHS and 1884 DEATHS were registered. Allowing for increase of population, the births were 164 below, and the deaths 117 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained †Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7 added to the Outer Ring or to other rease to which there belong.

15.0, 15.9, and 18.2 in the preceding three weeks, further rose last week to 21.6. During the four weeks ending on Saturday last the death-rate averaged 17.7 per 1000, being 1.3 per 1000 below the mean rate in the corresponding

periods of the ten years 1889-98.

The 1884 deaths included 56 from measles, 5 from scarlet fever, 35 from diphtheria, 19 from whooping-cough, 13 from enteric fever, 350 from diarrheea and dysentery, 12 from cholera and choleraic diarrheea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 490 deaths were referred to these diseases, being 45 above the corrected

average weekly number.

The deaths from measles, which had been 50, 48, and 46 in the preceding three weeks, rose again last week to 56, and were 4 above the corrected average; 6 cases belonged to Lambeth, 6 to Greenwich, 5 to Poplar, 5 to St. George Southwark, 4 to Newington, and 4 to Camberwell sanitary areas. The deaths from scarlet fever, which had been 12, 4, and 8 in the preceding three weeks, fell again last week to 5, and were 13 below the corrected average. The deaths from diphtheria, which had been 31, 37, and 42 in the preceding three weeks, fell again last week to 35, and were 7 below the corrected average; 4 cases belonged to Camberwell, 3 to Poplar, and 3 to Wandsworth sanitary areas. The deaths from whooping-cough, which had been 27, 26, and 20 in the preceding three weeks, were 19 last week, the corrected average being 40. The fatal cases of enteric fever. which had been 7, 6, and 8 in the preceding three weeks, further rose last week to 13, and were 5 above the corrected average; 3 cases belonged to The deaths from diarrhea, which had been Shoreditch sanitary area. 28, 75, and 185 in the preceding three weeks, further rose last week to 350, and were 77 above the corrected average. Of the 350 deaths from diarrhœa, 331 were of children under 5 years of age; 145 more deaths at this age-period were described as due to gastro-enteritis,† which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 194, 176, and 149 in the preceding three weeks, rose again last week to 169, but were 7 below the corrected average. The deaths attributed directly to influenza numbered 11, having been 11, 7, and 11 in the preceding three weeks.

Different forms of violence caused 82 deaths, concerning all but 9 of which inquests were held. Of these 82 deaths, 10 were cases of suicide, and 4 of homicide, while the remaining 68 were attributed to accident or negligence. Eleven of these were referred to vehicles in the streets, 10 to drowning, 7 to sunstroke, and 6 (of infants under one year of age).

to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2667 cases of scarlet fever, 1545 of diphtheria, and 131 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 307 cases, against 315, 299, and 292; of diphtheria, 265 cases, against 218, 222, and 224; and of enteric fever, 46 cases, against 11, 22, and 23.

GREATER LONDON.

In Greater London 3573 births and 2481 deaths were registered, corresponding to annual rates of 28.5 and 19.8 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 9 from diphtheria, 11 from whooping cough, 1 from "fever," and 136 from diarrhea were registered. Five deaths from measles, 4 from diphtheria, 6 from whooping cough, and 59 from diarrhea occurred in West Ham district; 3 deaths from diphtheria and 29 from diarrhea occurred in Edmonton district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.98 inches, and that of the Thermometer 64.98; the latter being 20.4 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 10 per cent. above the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 63.6 hours; the measured rainfall amounted to 0.97 of an inch.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Small-pox. Scarlet Fover, Diphtheria, Enteric Fever, or Typhus respectively; but in a considerable proportion of cases the diagnosis is found after sojourn in the Hospital to have been erroneous; † In Table 4 (p. 369) of the Return for the week ending 22nd July, the lines of figures relating to Enterity and Gestrometerities were have been considered.

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	CTATES	AND BOROUGHS		Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PURISMOUTH.	BRISTOT.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTFINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	SALFORD	OLDHAM.	BURNLEY.	BLACKBURN.	FRESTON.	HUDDERSFIELD.	HALIFAX.	LEVNS TRENS	SHEFFIELD	HULL.	SUNDERLAND.	GATESHEAD.	THE WORDLING.
A Life.		-itenti- nettes.	II	24.	1.35	2.46	1	0.48	19.0	0.20	0.00	,	1	80.0	1	ı	1	1.45	1	1	0.23	1 1	1		1	ı	1 5	et n	- 68.0	9 1	1	0.10	1	1 1	-
RAINBALL		n Inches.	II :	733	0.23	26.0	!	0.10	0.24	2.20	0.00	1	1	0.03	1	1	1	0.27	1	1	60.0	ı	1		1	1	1 00		1 200		1		1	1 1	
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LATURE	=	Lowest,	= 1	-	45.1	49.5	1	6.17	54.0	0.70	49.0	-	1	1.21	1	1		2.2	1	-	53.3	1 :	1	1	1	1	1 6		23.0	_	1	0.8	1	1 1	=
TRMPERATURE OF THE AIR.		Highest, Lowest, Lowest,	-	-	81.8	2.18	_			0.87	- 0.82		1	74.4	_	1		8.92	1	_	69.4	3 1	1 1	J	1	1	1 0.17		71.9		1		1	1 1	
	to the	From Prom Sister of Sister	I S		10 10	5.2	6.8	2.0	2:1	9. ¢	-	-	2.5	5.0	_	1.4			4.6		8.7	0 10	9.1	1.4	2.1	0. H		-	_		8.01		1.5	0.1	
Annual B per 1000	to t	From All Causes.	13	11:	20.1	9.17	25.2	13.9	6.91	556	13.6	11.5	15.6	12.0	21.1	15.2	14.4	16.9	7 07 6	21.3	17.4	24.1	25.3	17.3	18.4	19.5	13.1	15.5	16.3	21.3	9.22	18.7	2.7.1	14.8	
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	ths of	Persons aged 60 Years and upwards.	0.0	796		228	2 10	er:	13	9	53	m c	D.	4 1	3/	17	13	6	1	55	10	35	12	11	7	00	6	13	24	22	13	91	2 0	11	
	Deat	Infants under l Year of Age.	4.	1894	100	608	16	12	30	19	23	57 6	4	2 0	92	61	522	11	25	159	6	63	43	41 1	7	02	10	2	22	15		37	er e	্ল	
Registered during	y 1899.	DEATHS.	ສາລີ	4529	1004	145	34	40	75	43	84	41	Te	22	208	50	96	33	77	367	54	251	106	20	34	44	26	29	74	172	191	84	010	69	
Register	29th Jul	BIRTHS,	24	6219	POPG	159	09	63	76	59	154	90 00	0,0	57	STG EG	109	148	29	75	441	88	332	133	20 1	73	74	37	37	120	270	231	171	78	142	
	estimated	to the middle of the Year 1899,*	11	11,404,408	_	300.241	127,759	123,226	190,741	100,637	320,911	109,826	777,001	88,821	112 566	213.851	239,384	106,401	115.169	634.212	162,221	543,002	218,244	119 001	135,701	117,622	103,464	97.721	236,241	423,889	361,169	234,270	106.552	228,625	
	02	AND BOROUGHS,	Cols.	33 TOWNS - 1	TOWNOT -	WEST HAM	1	BRIGHTON	PORTSMOUTH -	PLYMOUTH	BRISTOL -	CARDIEF	DW ANDER	PTO.	MODELINGHAM -	1 1	M		RIBKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	SALFORD	BITDHAM -	RN	PRESTON -	HUDDERSFIELD -	HALIFAX	BRADFORD	LEEDS	ğ	SHADELAND	GATESHEAD	NEWCASTLE	

Table 2. LONDON.—Births and Deaths Registered in the Thirtieth Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2376 1174 1202	2512 1283 1229	2424 1211 1213	2720 1389 1331	2497 1275 1222	2419 1249 1170	2575 1316 1259	2448 1236 1212	2599 1320 1279	2696 1381 1315	2658'3 1350'3 1308'0	2494 1240 1254
TOTAL Deaths -  Males - Females -	1553 836 717	754 664	1632 898 764	1431 751 680	1729 894 835	1437 726 711	1939 1003 936	2146 1133 1010	2023 1101 922	1452 777 675	1766 <b>·5</b> 933·8 832·7	1884 1039 845

The numbers in this column are the average weekly numbers in the thirtieth week of the ten years 1889-98, raised by 5 213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

	n Hos	SPITA.	rs, m	ине т	asu I.	nikir	A NIME A	MEKS					
* 5	May 6.	May 13.	May 20.	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.
TOTAL Births	<b>26</b> 23	2574	2598	2306	2678	2445	2571	2422	2441	2484	2351	2444	2494
TOTAL Deaths	1397	1428	1419	1366	1483	1365	1316	1355	1297	1310	1387	1589	1884
$\begin{array}{c} \text{A yes at} \\ \text{Death} \\ \text{Death} \\ \text{A years} \\ \text{Death} \\ \text{A years and upwards} \\ \end{array}$	277 165 84 202 282 305 82	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 263 264 64
Deaths from—  Small pox  Measles  Scarlet Fever  Diphtheria  Whooping-cough  Typhus  Enteric Fever  Simple Continued Fever -  Diarrhæa and Dysentery .  Cholera	36 10 21 47 7 - 12	49 2 40 39 - 8 - 9	51 9 24 39 - 6 - 12	61 5 23 34 - 4 - 10	67 4 24 33 - 6 - 13	1 93 5 28 27 - 7 - 12 -	64 77 35 35 6 - 12	65 4 28 35 - 6 - 9	51 11 25 26 26 11	50 12 31 27 - 7 - 28	1 48 47 28 - 6 - 75 2	46 8 42 20 - 8 - 185 7	56 5 35 19 - 13 - 350 12
All the above Diseases -	133	147	141	137	147	173	159	148	144	155	199	316	490
Dis. of Respiratory System - Phthisis Dis. of Circulatory System - Violence Inquest Cases Deaths in Public Institutions	251 145 145 73 131 473	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462
TEMPERATURE OF THE AIR.  Mean	46.4 55.3 37.2	50°9 62°2 41°7	54·4 62·7 48·3	49.5 57.1 43.2	58.4 70.8 43.6	61.1 73.3 49.1	56·3 69·3 45·1	60.7 69.7 53.7	62·3 73·1 53·8	62·3 71·9 54·3	66·2 77·7 56·9	70°2 83°2 57°9	61.8 75.4 55.3
Humidity of the Air	67	<b>7</b> 5	75	78	60	64	67	73	68	71	67	58	67
Rain-fall (in inches)	0.00	0.01	0.97	0.66	0.00	0.00	0.00	0.21	0.74	0.13	0.09	0.06	0.97
Registered Sunshine (in hours)	49.7	43.0	33-9	29.3	95.9	72.1	68.0	26.2	43.9	31.4	49.4	71.0	63.6
CASES OF INFEC	rious	SICKN	ess II	N Hos	PITAL	8* AT	THE E	ND OF	EACH	WEE	K.		
Small-pox	2139 1040 118	2210 1065 107	2161 1066 99	2201 1111 102	2212 1134 99	2269 1159 97	2280 1170 93	2367 1230 103	2430 1280 105	2530 1347 94	2602 1434 99	2653 1488 104	1545

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. & reston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull

ABLE 4. LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the THIRTIETH Week of the Year 1899.

	he	1	In	the	Wee	k en	ling		ı		he irs		Ti	a the	We	ek er	nding	,	-
	for the	-	Satur	day,	29th	Jul	y 18	99.	_		for the 10 years		Sati	ırda	y, 291	th Ji	aly l	899.	_
	Averages for the 1889-98*.		De	ths th	of P		as of			GARGE GRANT			De		of l		onso	f	
USES OF DEATH	Averse of 1889-	ES.	יט 	nder 20.		under 40.	under 60.	under 80,	s and ls.	CAUSES OF DEATH	Averages sek of the 1889-96*.	EB.	7	7nde 20.	r	under 40.	under 60.	under 80.	s and
·	Corrected A 30th Week	ALL AGES	0-1	1-5.	5-20.	20 and ur	40 and ur	and	80 years a upwards.	. ,	Corrected 30th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and ur	40 and ur	and	8c years
AUSES	1766:5	1884	805	223	98	161	269	264	64	Diseases of Circulatory System }	111.9	123	4	-	13	8	40	49	9
l- {Vaccinated† - Unvaccinated No Statement es t Fever	0.7 0.3 0.2 52:1 18:3 0.1	- - 56 5 -	- - 20 1	- 34 2	- 2 2 -	111111	111111	11111	11111	Croup Bronchitis	2.8 80.5 72.2 5.5 14.9	70 87 1 11		10 14 - 2	31	17 - 2	13 17 - 2	26 15 -	-
sing Fever nza - ping-cough heria e Continued and lefined Fever - ra and Chol. Diarr. and, Dysentery tent Fever -	4·3 39·7 42·4 0·2 8·0 9·3 273·3	11 19 35 - 13 12 350 -	11 - - 10 293	8 21 - 38	14 - 4 - 2 -	8 1 1 5 11 1	3 - 312 -	3 - - 1 11 -	1211131	Dentition - Quinsy, Sore Throat - Enteritis } Gastro-enteritis - Serious - Country - Country Diseases of Liver - Other Diseases of Digostive System	10 <sup>4</sup> 2 <sup>7</sup> 78 <sup>4</sup> { 6 <sup>2</sup> 27 <sup>0</sup> 36 <sup>8</sup>	13 1 38 151 11 17 30	11 - 27 121 2 2 2 14	1 3 24 -	1	- 21 - 3 2	1 1 3 8 3	- 1 3 2 4 7	-
ophobia	0.1 0.1 0.4 13.0 3.6	- - 10	3 2		1 1 1 1	2	- 3 2	- - 2 1	1 1 1 1	Diseases of Lymphatic ) System & of Ductless Glands	2.4	1	-	-		1	-,	-	-
ia and Septicæmia eral Fever Zymotic Diseases	2.0 3.4 2.6	5 1 2 4	- 2	- 1		1 2 -	- 1	-		Diseases of Urinary }	38:1	46	-	-	-	3	13	28	2
h	1.7 0.4	- 1	-		-	_ _ 1	-	-	-	Diseases of Generative } System } Accidents of Childbirth-	6°2 4°3	4	- 1		-	1	-	-	
										Diseases of Locomotive System	5.9	4		-	1	-	2	1	
ation, Want of statement of sta	2.6 9.8	13	1 -	-	_	5	7	1	-	Diseases of Integumen-}	4:2	3	2	total	-	1			-
matic Fever, umatism of Heart } matism ts	6·8 1·3 3·4 6·4	8 1 2 4	- 2	1 - 2	1	1 -	5	- 2	1 1 1 1	VIOLENT DEATHS.‡  (ACCIDENT.)  By Railways	1	4	-	10		2	21	-	-
Mesenterica	72°3 41°6 30°6 142°0 23°3 11°9	74 53 23 112 17 22	40 9 1 7	9 10 3 5	1 2 3 11 3 4	4 2 1 51 1 5	40 - 36 - 2	25 - 10 1 8	4 1	By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) In Building Operations - In Conflagrations - By Burns, Sealds, Ex- plosions	<b>54.5</b> <	11 1 - 3		3 2	5	1		1 - 1	1
ature Birth	52.8 3.4 6.7 37.8	56 3 5 32	56 3 5 -	1 1 1		-		12	20	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes : - }		10 6 2 31	- - 7	1	3 - - 2	4 1 1 5	2 - 7	7	1
lexy	37.6 7.6 49.1 84.6	33 6 46 90	1 - 39 14	- 6 13	1 1 3	1	15 1 - 23	12 3 - 20	5 - 5	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.8 10.1	4 10 -	111	1 -	2 -	1 2 -	6	- 27	111
ses of Organs of }	3,3	5	-	-	2	2	1	-	_	OTHER CAUSES - ~	78.6	60	55	1	_		2	2	-

pulation.

lly those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered sal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ent, murder, manslaughter or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in ea SUB-DISTRICT during the Week ending Saturday, 29th July, 1899.

SUB-DISTRICT during the We	ek ending	Satur	day,	200I	. ou			EATE	IS rec	istere	d du	ring t	he W	eekin	clude		
				Danie	hs of	1	_ ue 1	DA II		eaths					Landens	1	one.
REGISTRATION SUB-DISTRICTS.	Enume- rated Popu- lation, 1896.	Tota BIRTHS.	Total DEATES.	Infants under 1 Year of Age.	ged 60 Years	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhes.	Violence.	Inquest Cases.	Desthein Publicamentution
LONDON -	4,411,710	2,494	1,884	805	328	-	56	5	35	19		13		350	82	156	462
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON®	778,251 1,040,694 233,635 716,334 1,642,796	351 553 113 477 1000	386 116	113 168 46 219 259	58 74 15 58 119 4		7 1 14 34	1	5 6 2 6 16	4 7 1 5 2		3 4 - 3 3	-	55 66 15 106 107 1	14 11 9 15 33		81 81 45 113 126
	90,996	51 4	31 8	17 1	8 3	-	-			-		-	- 	14	2 2	3 1	5
Kensington Town Ww - W. & C.	122,164 48,301	46 11	66 14	27	12 5	-	-	-	-	1 -	-	1 -	-	19	1	3 2	16
North Hammersmith $\uparrow H$ South Hammersmith $\uparrow H$ W. & G. Fulham $Ww$ W. & C.		24 26 103	8 18 59	7 7 24	1 3 6		-	- 2	- 5	1·  -	-	1 1	-	3 4 7	2121	1 3 7	3 21
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH - C.	42,057	7 20 10	6 15 6	4 4 3	1 3 1		-		-	1 1 -	-	-	-	1 1	1 -		5
	56,140 31,492		9 22 14 8	8	1	:	-	-		-	-	-	-	3 2	4 -	6	111111111111111111111111111111111111111
St. James Westminster N. & G. WHH St. Anne Soho HHHHHHH - N			5 3		2			-		-	-	-	-	-	-	_	-
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHH Rectory Marylebone W G. & W St. Mary Marylebone G. & W HHHH Christehurch Marylebone H W St. John Marylebone HHH - W	. 19,798 . 19,637 32,547	3 36 23	22 6 6 14	5 3	2 3 2 2 2 2	2				1 -				1 1 3 1 4	-	1	
Hampstead - N. & W	75,44	43	1	5	2	5	-	- 1	. 2	-		-   -	1 .	-   -	-   -		•
Regent's Park Pancras   HH - W   WHHHH		7 14 6 15 1 15 9 11	2 2 1	$\begin{bmatrix} 0 & 1 \\ 2 & 1 \\ 0 & 3 \end{bmatrix}$	1	5 2 3 1 5 5	-	1 -				_		-   ]	3 9 2	1 4	1 1
Islington South-west H - I	N. 98,27 N. 107,36 N. 66,54 N. 64,57	54 54 29	2	7 ]	6	1 1 3 6	-	1	1	-   -	2	-	-	-	~	2	3 1
Stoke Newington H 1 North Hackney E. & I Central Hackney ww - E. & I South-west Hackney HHH E. & I South-east Hackney WwH E. & I	MIO,0.	( 2'	7   [	30	1 4 15 19 13	3 1 3 1 10		1 - 1 1	-	2	1	71111	- 2		3	-	1 1 2

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which pauper received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G signand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. River; E. East London; and K. the Kent Company.

See note † on first page of this Return.
† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1829, and re-named North Hammersmith and South Hammersmith, respectively.

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES STARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sur-District during the Week ending Saturday, 29th July, 1899—continued.

SUB-DISTRICT during the We	ek ending	g Satu	rday,	29tl	ı Ju	ly, 1	1899		ntir	wed	•							
							The	e D E A	THS	regist	ered	durin	g the	Weel	inol	nde		
	Enume-			Deat	hs of	_			. 1	Death	s fro	m					tutions	jo s
REGISTRATION SUB-DISTRICTS	rated Popu- lation. 1896,	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	ScarletFever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence	InquestCases	Desths in Public Institutions	Uncertified Causes Death
														•	-			
CENTRAL DISTRICTS.																		
George Bloomsbury - N. Giles South $WH$ - N. Giles North $H$ - N.	16,110 12,976 9,151	6 7 4	2 7 3	1 2 -	22 -	-	-	-	111	1 1 1		-	-	1 1 1	-		- 5 1	-
Martin-in-the-Fields HHN.&C. rand WHH N. rand Union Workhouse, Edmonton	13,077 11,839 +1,037	3 4 -	9 6 3	3 2 -	21213	-	-		111	1 1 1	-		-	1 2 -	- 1 -	2 -	6 - 3	
Diborn wHHHHHHH - N.     James Clerkenwell - N.     mwell Clerkenwell - N.     swell-street - N.     ty-road HHHL - N.     hiteross-street - N.     nsbury - N.	31,042 15,777 34,356 16,069	9 13 13 6	18 11 4 11	98278	ī - 2			1 1 1	1-1-1	1 -	-			1 4 1 2	1111	1	11	1111
hiteoross-street - N. hiteoross-street - N. nsbury N. hiteoromy N. hiteoromy N. hiteoromy N. hiteoromy N. hiteoromy - N.	29,897 7,595 4,035 †892	38 3 -	16 1 -	8 -	1 1 1 1	-	1		2 -	1111	1111		1 1 1	1 1 8 1	- 1 -	1	2 -	1 1 1 1
Botolph $H$ - N. & E. ipplegate N. & E. Sepulchre $WH$ N. hlhallows Barking N. coad Street $H$ - N. ty of London Asylum, Stone N.	6,870 3,299 9,591 9,059 2,892	- 1 5 1	2 2 16 2 2 1	3 1	21		-	1 1 1 1 1	1111	1 1 1 1 1	1-1-1-1		1 1 1 1 1	1	- 1 4 - 1	- 1 6 - 1	16	111111
ty of London Asylum , Stone	†388	-		-			_	-		,	-			-		-	1	-
EAST DISTRICTS.																		
$\begin{array}{llllllllllllllllllllllllllllllllllll$	17,975 29,575 27,645 47,163	13 18 20 27	5 28 13 40	3 14 10 18	1 8 1 5		1			1111	- - -	1 1	1.1.1	1 7 7 14	ī -	1 3 - 4	6 14	
ethnal Green North $H$ - E. ethnal Green South E. ethnal Green East $WHl$ - E.	49,301 34,194 45,667	36 22 33	33 11 21	20 5 1	2 2 6		1 -	- - -	1 -			-	-	8 4 2	2	3 - 5	10	
pitalfields E. & N. ile End New Town* $WH$ - E. oodman's Fields* E.	26,681 } 51,995 {	16 21 21	3 56 6	3 12 3	7	1 - 1	ī	-	2 -	- 1		- 1 -	-	111	- 4 1	8 1	43	
t. George's North E. t. John, St. George East W E.	39,576 7,930	31 4	23	16 4	2	1 1	1-	_	-		-	-		9 2		2 3	4	
hadwell $H$ E. & N. atcliff $W$ E. imehouse E.	10,434 14,954 32,917	6 12 20	11 7 7	8 5 2	- 1				-	- 1	-	-	1 1.1.	3	1	2 1 1	6 -	
tile End Old Town West H E. tile End Old Town East WWww E.	} 111,060	{ 38 29	32 23	19 12	4	- 1	2 -	_	_	ī		-	-	12 4	-	3	5	-
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	24 48 38	21 71 28	15 31 18	2 13 -	111	3 2	-	2 1	1	-	- L -		10 13 6	1 2 1	3 9 3	25 -	

Table 5 LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox, Measi Scarlet Fever, Diphtheria, Whooping-Cough, Fever, Diarrhea, Violence, &c., registered in easub-District during the Week ending Saturday, 29th July, 1899—continued.

	SUB-DISTRICT during the We	ek ending	Satu	raay,	29th	ı Ju	y, 1	000-	-00	100 010	wew.							
								The	DEAT					he We	ek in	clude		9 1
ı	2 7	Enume-			ļ	hsof		-		D	eaths	fron						itution
	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhæa.	Violence.	Inquest Cases.	Deaths in Public Institutions
	SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road - S. & L. Borough-road WH - S. & L. London-road HL - L. & S.	13,064 12,301 22,879 16,083 21,316	5 3 11 15 12	4 4 10 15 13	1 2 5 6 5	2 - 1 1 1 -		1 1 3 2 1 3	-	-	- 1	1111	1111	-	1 4 7 3			
	Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.  St. Olave WH S.	28,723 62,045 30,171	23 38 22	15 29 8 - 22 22	10 15 6 3 11	1 3 - 4 9		3 - 2	111	1 1 1 1 1	11,	111 111			6 5 - 24	3 2 4 2 3	3 2 5 3	19
	Bermondsey $W$ S. & K. Rotherhithe $WwH$ - S. & K. Waterloo-road $HH$ - L. & S.	85,475 40,379 28,396	52 22 29	18	5 8	3	-	1			-	-	-	-	4	3 2 2	3 2 2	4
一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一 一	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	18,770 40,994 52,486 43,244 81,825 29,318	14 30 37 20 46 19	23 31 14 10 18 7	12 13 8 1 6 3	252562	-	1 3 1	11111	1 - 2 - 2 -	1 1 1 1 1		- - 1		3 8 4 - 2 1	-		7 8 - 3 - 3
	East Battersea S.  West Battersea S.  Clapham H S.  Wandsworth WHHL - S.  Putney S.  Streatham WwwwL - L.	71,730 93,385 46,953 58,101 20,566 61,644	45 48 24 36 11 35	29 38 17 16 5 14	15 18 8 10 3	292223	11111	31	11111	1 - 4	11011	1 1 1 1 1			6 4 9 1	511	6 2 1 1	15
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	51 54 41	2 40 22 24	10 8 17	1 14 2 1		- 3 - 1	-	-	-		1111	-	- 2 4 7	3 - 1	- 3 - 1	20
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	26 34 20 9 22	16 20 7 11 23	8 9 1 5 6	3 - 3 2 7	11111	3 - 1 -	1 1 1 1 1	3 -	1111	11111	1		3 - 1	1111	ī	3
A SECRETARY	Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	5 26 31	2 5 24 10	1 6 4	1 3 7 5	-11	-		3 -	1 1 1 1	1 1 1	1111	1111	1 - 1	- 3 -	2 -	10
Comment of the Party	$\begin{array}{ccccc} \text{Charlton} & wHH & - & - & \text{K.} \\ \text{Woolwich Dockyard} & - & - & \text{K.} \\ \text{Woolwich Arsenal} & HHHH & - & \text{K.} \\ \text{Plumstead West} & H & - & - & \text{K.} \\ \text{Plumstead East} & WH & - & - & \text{K.} \\ \end{array}$	15,928 19,355 21,959 16,714 42,538	7 10 13 6 38	12 2 3 - 9	2 1 - 3	1 4	1111	1	1	21	11111		1	1-1-1-1-1	1 - 1	- 1 -	11111	7
The second transfer the second	Banstead Asylum Caterham Asylum Cane Hill Asylum			3 1 2 2 2 2 3 3 1 1		11									1	11111111111		3 1 2 2 2 3 

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 29th July, 1899.

en	ding Saturday, 29th July,	1899.	1															_
						Deat	hsof	The	DEA		egiste Death			Week	inclu	le	-	
ion rict id b- rict m-	REGISTRATION SUB-DISTRICTS.	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhosa.	Violence.	Inquest Cases.		Uncertified Causes of Death.
LO1	DON-OUTER RING -	368,749	1,422,063	1079	597	296	110	_	11	_	9	11	1	136	25	47	42	2
:1	Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	29 6	10 2	3 1	5 -	-	-	-	-	ĩ	_	-	-	1	- 2	-
:1	Godstone, part of * W -	2,754	1,598	2	-	-	-	-	-	-	-	-	- '	-	-		-	_
:12	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	67 12	36 4	17	6 3	-	2	-	-	2 -	-	4	1 -	2	3	1 -
:12345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	20 35 6 8 11	6 15 2 3 5	1 3 2 -	3 - 1 3	1111	11111	1111	11111	1111	11111	- 1 1 -	- 1 - 1	ī ī 1	4 -	11111
:1	Richmond $WH-$ Mortlake $H$	2,160 2,823	25,389 16,159	10 5	3 5	1 3		-	-	-	-	-	-	1 -	- 2	4		-
:1223	Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	10 6 8	5 4 3	1 1 1	2 1 2	1 1 1	1 1 1		1 1 1			1 -	-		1 - 2	1 1 1
:1	Bexley HHH Dartford WH, part of	12,540	<b>30,</b> 590	24	12	8 -	-		-	7 -	1 -	1 1	-	1	-	1	-	-
:1	Sunbury w Staines WH	11,054 13,277	13,671 13,221	11 17	2 1		<u>-</u>	1 1	-		-		-	-	1 -	1	-	-
:1 2 3	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	7 4 10	4 5 9	- 6	8 3 1	1 1 1	- - 1	1 1 1	1.1.1			1 4	1 -	1 - 1		
:12345	Isleworth WHH Twickenham HH Brentford HHHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	16 9 20 22 33	13 4 6 8 25	7 1 3 3 17	3 1 1 2 2	1111	- 1 - 2	11111	1111	1111	- - 1	4 1 2 1 10	1	ī -	11111	11111
: 1 2 3 4	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	15 3 63 16	5 28 12	14 6	7 3	1111	1111		- 1		1111	- 4 2	111	3	- 2	11,11
1 2 3	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	- 4 14	1 3 4	ī	1 2	- 1 -	-		- 1 - 1	-		- 1 -		-		
123456	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	45 82 39 23 4 6	19 48 31 11 2 4	6 25 21 5 1	4 8 1 3 1	11111	11111	11111	2 - 1	2	11111	3 13 11 1 1	3 1 2 1 -	3 2 6 1 -	1 -	11111
1 1 2	Hatfield, part of W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	1	1		1		- -	-			-	-	-	-	-	
1234567 12	Stratford $H$ Plaistow $WHHH$ Canning Town $H$ East Ham $wHH$ - Leyton $WWWwH$ Walthamstow $HHL$ - Chigwell, $part$ of $^*$ $HHHH$ Epping $WH$ , $part$ of $^*$ -	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	33 57 31 31 44 54 59	21 34 55 21 25 32 24 5	14 21 35 9 18 11 16 2	4 3 4 2 1 12 2 1	11111111	1 1 1 1		1 1 2			7 8 23 4 9 4 4 1	1 2 2	1 2 3 4 2 -	2 2 2 17 1	1 1
123	Bomford, part of WH - Ilford Barking Town, H - Buildlesex County Asylum, Wandsworth.	6,556 8,493 3,814	4,324 10,913 14,301	9 15 18 -	3 6 7 3	3 7 -	1	1 1 1 1	-	-		-	-	1 2 4 -	1111	1111	2 - 3	1111
The	parts of sub-districts include	d within	n that port	ion of	the Mo	etrop	polita	n Po	olice	Dist	rict	whic	h fo	rms	the (	Oute	r R	ii

Lab parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring s follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in led sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping . 1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for ctious Diseases belonging to the Outer Ring in 42: 2, Dartford: 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 29th July, 1899.

			ANNUA	L RATE			The Di	CATH	Sregi	istere	d in th	ıe We	ek in	clude		
GREATER	Area	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of				Deatl	ıs froi	n			Public
LONDON.	in Acres,	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	rom ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria,	Whooping-	Fever.	Diarrhoss.	Violence.	Deaths in Pu
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	1
GREATER LONDON	443,421	6,528,434	19.8	5.2	2481	1101	438	-	67	5	44	30	14	486	107	50
INNER LONDON -	74,672	4,546,752	21.6	5'5	1884	805	328	_	56	5	35	19		350	82	46
OUTER RING -	368,749	1,981,682	15.7	4.4	597	296	110	-	11	-	9	11	1	136	25	

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent to the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

		and	in certain	Foreign	CITIES.							
• (	POPULATION	D. 1 ===			ANNUAL	DE	ATHS		PRI DISEA		L ZYM	OTIC
CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	DEATH-	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoal
EDINBURGH - GLASGOW - DUBLIN - CALCUTTA - BOMBAY - MADRAS - PARIS - BRUSSELS - AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW - BERLIN - HAMBURG - DRESDEN - BRESLAU - MUNICH - VIENNA - PRAGUE - BUDA-PESTH - TRIESTE - ROME - TURIN (10 days) VENICE -	298,927 733,903 349,594 466,460 821,764 452,518 2,511,629 551,011 517,595 315,305 199,285 345,000 291,580 221,073 1,132,677 988,610 1,818,517 675,351 394,390 406,012 445,000 1,623,134 384,622 666,722 166,599 505,850 344,203 171,023	July 29 ,, 29 June 17 July 4 June 18 July 22 ,, 22 ,, 15 ,, 15 ,, 22 ,, 15 ,, 22 ,, 15 ,, 22 ,, 15 ,, 22 ,, 15 ,, 22 ,, 15 ,, 22 ,, 15 ,, 8 ,, 22 June 3 July 22 ,, 15 ,, 22 ,, 15 ,, 22 ,, 15 ,, 8 ,, 1 June 10 July 15	185 480 200 182 342 1158 234 302 201 99 181 150 104 600 862 326 976 448 111 177 97	82 279 191 173 486 301 1007 172 167 110 48 123 117 96 589 780 635 249 - 232 201 610 - 277 63 148 - 70	14'3 19'8 28'5 19'3 30'8 34'5 20'0 15'9 16'8 18'2 12'5 18'6 20'9 22'6 26'2 41'1 18'2 19'2 29'8 23'5 19'5 - 21'6 19'7 15'3  - 21'3	8	15 13 23 2 1 23 2 1 1 11 3 19 - - - 15 - - - - - - - - - - - - - - -	1 3 - ? ? ? 4 1 3 3 14 2 1 1	- 2 - ? ? 5 *	2 7 3 3 - ? ? 3 3 1 12 3 1 1 1 4 - 1 - 1 - 1 1 1 1 1 1 1 1 1 1 1	1 4 1 1 48† 95† 54 16 - 1 1 2 4 2 1 1 1 1 1 1 - 5 5 - 2	4:
CAIRO ALEXANDRIA -	570,062 319,766		-	-	-	-	tio on	-	-	-	-	-
NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053 1,266,832	July 1	1417	1369 435	20·1 17·9	-	8	8	31	9	8 9	245 61

Including deaths from croup, † Including 6 deaths from plague in Calcutta and 43 in Bombay. Including 6 deaths from cholera in Bombay.

	ď			_								.1		70 m co m	-10-1	2 m					
	Ozone		3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28		ans of bulb	years years r the	The The mean	ables, tions inches	"and leter,	neter.	nent,	week 37th;	omo 1
collected in a	Gauge whose receiving	surfaceis sinches above the Ground	in. 0.95	0.01	0.00	0.01	0.00	0.00	0.00	Sum 0.97	25		el of the The meg ge wet	venty wenty 1868 fo	umn 8)	observe	higher, iermon	lectron	Instru	of the a	ם פחת ס
		Depar- ture from Average of 16 Years.	Miles.	+ 62	+ 16	+193	+ 27	09 -	- 13	Sum +168	24		ean leve 31. P.M. 7	ation o ngthe t nding ilb thei	air (col	ygromel nof the rizonta ears end	icates" ofthetl	ering E	nshine	inning Inight	ta na na
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	937	250	428	262	176	224	Sum 1812	23	nidnight	ve the moses level sealevent.	ade duri Agears 7 years e dry bt	re of the	isher's Hriscussionat of he	lat + ind lexerror	lf-regist; w. we	tokes Su	the beg	T =0 00 00
-	0	Mean of 24 hourly obs.	1bs.	0.3	0.1	9.0	0.5	0.1	0.1	:	22	of to n	tace to	by trids menty of th	or the peratu midity	om ac om ac and th	ind th heind	n's se	bell-S	in. at	DOG PO
	Pressure on the Square Foot.	Least.	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	idnig	159 fe to rection; bulb	values reco the t ading	f temi	eters k ived fi g 1890, crecoi	on un e	homse V. neg	Camp	n 29.7(	TO THE PARTY OF
	Pressu	Great.	1bs. 1.0	3.0	1.4	3.7	1.7	i.e	2.1	:	20	rom m	eteris adings A.M.; n	daily raphi uring an re	read alue o legree	rmom latder ending metri	borne	rom T	m the	ed from	COLL, CAL
Osler's.	irection,	P.M.	N. & NNW.	N., NNW.	& NNE W. & E.	WSW. W.WWW.	N. & NNW.	N. & NNW.	NW.,NNW.	WSW.	61	ivil day, or f	of the baromed to the regardent at 9h.	e converted into mean daily values by the application of corrections discussion of the photographic records made during the twenty years the barometer, and during the twenty years ending 1868 for the With the corrected mean reading of the dry bulb thermometer is	nean or the mean daily v rature and	wet buibther is the first build the following of the anemoly	24 it will be 3. n 17 arenote	a. is derived f a:—P. positi	derived fro	the 23rd; in	T
	General Direction.	A.M.	z,	WSW. NNW. & N.	NNWNW.		N. & NNW.	NNW. &	WSW. W.	NNW. &	18	The results apply to the civil day, or from midnight to midnight.	The height of the distorn of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb	controlled; are converted into mean daily values by the application of corrections deducted from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1863 for the chermometers. With the corrected mean reading of the dry bulb thermometer is	Communication confidence of the reading of the maximum and minimum thermometers forming the maximum solution and ally adapted the maximum solution and ally adapted the manufacture and degree of humidity are deduced from the mean	wany vaues or the ury and wet bull thermometers by distance is hygrometrical Tables. Theoverage temperature of the air is that derived from a discussion of the observations made at Greenwich during the 60 years ending 1890, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	Antecaula Continues and 2+16 Will be borne in mind that + indicates "higher," and "" "lovoe", than the average.  "" "lovoe", than the average.  "The yealuse given in column IT are not corrected for the index error of the thermometer, "This course, year."	wince cannot be usefarmed. The record of Electricity is derived from Thomson's self-registering Electrometer The symbols employed are:—P. positive; N. negative; w. weak; m. moderate	s. strong; and V. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, Show the aggreests direction of bright sunshine on each day	The reading of the barometer decreased from 2970 in, at the beginning of the week to 2008 in, by 2h, par, to the 257th; increased to 30.00 in by the part of the 25th; increased to 30.00 in by the part of the 25th; increased to 30.00 in by the part of the 25th;	,
	Of the Earth	3 feet below the Surface.	01.99	02.29	65-38	65.17	65.42	62.03	10.99	65.41	17	esults a	eightof ection h vations -readin	lfrom a 1873 for neters.	neters,	rerage t Green	aluesgi	scord o mbols e	t; and ' umbers eaggre	in, by	
	ion	Lowest on the Grass.	9.99	56.3	47.0	54.5	474	38.3	41.5	48.8	16	There	The h no corre Obser	deduced from a ending 1873 for thermometers.	hermor mean da	Theavenade at the air	The ve	The re	s. strong The n	The r to 29.63	week.
3	Radiation	Highest in Sun's Rays.	089.1	132.9	9.671	140.0	137.1	139.0	138.4	129.4	15		1	30m. loud			cloud Y		in		
- egree	of Hu- midity (Satu-		26	02	22	11	57	99	19	67	14  -	-:	Slight thunder- ith very heavy	ill 0h. 30m, of cloud	it of e	e amo lfterw	Jo	opse	cloud		
		Least.	0.0	2.2	5.5	3.0	8.2	1.2	2.0	3.1	13	ARKS	Sligh vith v	rain t	amour	ariabl	aount	Solar halo observed	tially		
the Air Temperature and Dew Point	erature	Great.	0.1	16.7	25.2	21.5	22.4	27.4	6.12	20.1	12	GENERAL REMARKS	rain. ing, w	nder in forenoon. n morning, with rain til with large amounts	; the	with v	small amounts		generally; partially cloudy		
he Air T and D	Tem	Mean daily value.	0.0	6.6	6.91	10.0	15-7	0.91	13.8	11.7	11	ERAI	quent morr 3h. an	tin for corning	erally all.	arally, h. P.M. wer at	with sn	ıerally	nerall		
	point.	Mean daily d	0.09	54.3	9.09	59.3	4.24	9.24	52.3	53.1	10	GEN	st; fre early ween	hunder stin m ie, wit ds.	ne gen lly sm	ne gene till 10 rp sho		ne ger n. P.M.	ne		
0		parture from Average of of of of of	0 1.0	+ 1.6	+ 4.1	0.2 +	8.0 +	+ 1.3	+ 3.0	+ 2.4	6		Overcast; frequent rain. Slight thunder- storm in early morning, with very heavy rain between 3h, and 4h, A.M. Occasional	ustant thunder in forenoon. Overcastin morning, with rain till 0h. A.M.; fine, with large amounts of calterwards.	Very fine generally; the amount of cloud was usually small.	Very fine generally, with variable amounts of cloud till 10h. P.M.; overcast afterwards with sharp shower at 11h, P.M.	Very fine, throughout.	Very fine generally. at 3h. 30m. P.M.	Very fine forenoon,		
	-	Mean daily Avalue, 50	0.19	64.2	66.5	69.3	63.1	9.89	1.99	61.8	00	bove zon, urs.				···					59
06414 417	-	Daily GRange.	0.4	15.3	22.9	21.3	15.1	0.22	29.2	20.1	7	d Sun above e Horizon, in hours.	15.8	15.8	15.7	15.7	15.6	15.6	15.5	Sum 109.7	61
1	5  -	Low- R	57.7	57.4	55.2	60.5	6.99	49.2	20.2	55.3	9	Registered Sunshine in hours.	0.0	6.5	2.11	11.7	11.4	11:1	11.4	Sum 63.6	. 82
	-	High-	0   0.	72.1	78.1	2.18	25.0	76.5	0.08	75.4	2		till ne-	.;	1	at -	K.	1	1		I
Mean	reading (cor-	rected and reduced to 32°. Fahren-heit).	in. 29.645	29.817	30.012	30.027	30.160	30.149	30.037	29.978	4	Electricity. (For explanation of symbols, see Note.)	nd v. N. w. P. ge rwards.	II 9h. A. erwards.	w. P. generally	P. throughout	ill 5h. A. 1 11h. A	enerally	w. P. generally		27
	ofthe	Moon, d	Perigee	:	:	In		:	Last Quarter.		3	Elec (For exp symbols	v. P. and v. N. till 8h, A.M.; w. P. generally afterwards.	w. P. till 9h. A.M. m. P. afterwards.	W.P. g	w. P. th	w. P. till 5h. A.M.; m. P. till 11h. A.M.; w. P. ofterwood	W. P.	W. P. g		
		0	23	24	52	26 H	27	28	53	1	- 0			24	22	36	27	88	65		٦
1899.		Month and Day	JULY. SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. JULY.	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
	_						_		-		-11										_

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1899.

### OFFICIAL COPY.

# WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 31. 1899. Vol. LX.] WEEK ENDING SATURDAY, AUGUST 5. [Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, August 8th, 1899.

# THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 24.6 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	Wee	eks ending	g	Weeks ending	
Towns.	July Ju 15. 22	ly July 29.	Aug. 5.	Towns.   July   July   A   15.   22.   29.   A	ug.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	13·6   23 18·6   21 17·0   17 15·1   16 15·9   16 16·1   7 13·8   14 17·1   16 11·8   14 11·0   13 12·7   13 17·6   2 18·7   17 11·1   16 12·9   13	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	18·8 16·1 21·0 30·0 16·3 12·7 12·7 12·7 19·2 18·3	Leicester 17:3 12:9 14:4 2:1   Liverpool 23:3 26:6 29:7 3   London 15:9 18:2 21:6 2:1   Manchester 21:4 22:0 24:1 2   Newcastle-on-Tyne 19:2 16:2 14:8 2   Norwich 12:4 14:3 15:2 2:0 9:2 10:2 10:2 10:2 10:2 10:2 10:2 10:2 10	1·5 5·2 9·0 7·6 0·7 8·1 6·3 2·6 8·2 5·5 5·5 4·8·2 1·1 1·1 1·1 1·7·4

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1·0 in Liverpool, 1·2 in Salford, 2·6 in Sheffield, and 2·8 in Burnley; from whooping-cough, 1·0 in Huddersfield, 1·1 in Leeds, and 1·2 in Blackburn; and from diarrhæa, 4·1 in Croydon, 4·5 in Birkenhead and in Bolton, 4·9 in Hull, 5·0 in Bristol, 5·5 in London, 5·9 in Leeds, 6·0 in Manchester and in Salford, 6·1 in Leicester, 6·3 in Birmingham, 6·9 in Norwich, 7·3 in Liverpool, 7·7 in Portsmouth, 7·8 in Plymouth, 8·3 in Nottingham, 9·7 in West Ham, and 10·7 in Sheffield. In none of the thirty-three towns did the death-rate from "scarlet fever" or from "fever," reach 1·0 per 10·00. The 91 deaths from diphtheria included 44 in London, 9 in Leeds, 9 in Sheffield, 5 in West Ham, 5 in Leicester, 4 in Liverpool, and 3 in Swansea. No death from small-pox was registered in any of the thirty-three towns.

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained

### LONDON.

In LONDON\* 2577 BIRTHS and 2200 DEATHS were registered. Allowing for increase of population, the births were 51 below, and the deaths 401 above, the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been 15.9, 18.2, and 21.6 in the preceding three weeks, further rose last week to 25.2. During the four weeks ending on Saturday last the death-rate averaged 20·2 per 1000, being 0·9 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 2200 deaths included 60 from measles, 6 from scarlet fever, 44 from diphtheria, 27 from whooping-cough, 13 from enteric fever, 477 from diarrhea and dysentery, 21 from cholera and choleraic diarrheea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 648 deaths were referred to these diseases, being 196 above the

corrected average weekly number.

The deaths from measles, which had been 48, 46, and 56 in the preceding three weeks, further rose last week to 60, and were 11 above the corrected average; 15 cases belonged to Lambeth, 5 to St. George Southwark, 5 to Newington, and 5 to Greenwich sanitary areas. The deaths from scarlet fever, which had been 4, 8, and 5 in the preceding three weeks, were 6 last week, the corrected average being 21. The deaths from diphtheria, which had been 37, 42, and 35 in the preceding three weeks, rose again last week to 44, but were 2 below the corrected average; 4 cases belonged to Islington, 4 to Newington, 4 to Camberwell, 3 to Lewisham, 3 to St. Pancras, and 3 to Mile End Old Town sanitary areas. The deaths from whooping-cough, which had been 26, 20, and 19 in the preceding three weeks, rose again last week to 27, but were 7 below the corrected average. The fatal cases of enteric fever, which had been 6, 8, and 13 in the preceding three weeks, were again 13 last week, the corrected average being 11; 2 cases belonged to Hackney and 2 to Whitechapel sanitary areas. The deaths from diarrhæa, which had been 75, 185, and 350 in the preceding three weeks, further rose last week to 477, and were 198 above the corrected average. Of the 477 deaths from diarrhea, 456 were of children under 5 years of age; 220 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 176, 149, and 169 in the preceding three weeks, fell again last week to 159, and were 23 below the corrected average. The deaths attributed directly to influenza numbered 2, having been 7, 11, and 11 in the preceding three weeks.

Different forms of violence caused 91 deaths, concerning all but 7 of which inquests were held. Of these 91 deaths, 6 were cases of suicide, while the remaining 85 were attributed to accident or negligence. Eight of these were referred to vehicles in the streets, 15 to drowning, 6 to sunstroke, 1 to the effects of nitrous oxide administered for surgical purposes, and 10 (including 9 of infants under one year of age), to suffocation in bed.

# CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were I case of smallpox, 2704 cases of scarlet fever, 1526 of diphtheria, and 158 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow: -Of scarlet fever, 297 cases, against 299, 292, and 307; of diphtheria, 216 cases, against 222, 224, and 265; and of enteric fever, 50 cases, against 22, 23, and 46.

Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlessex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7 added to the Outer † The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of gases the diagnosis is found after sojourn in the Hospital to have been erroneous.

#### GREATER LONDON.

In Greater London 3706 births and 2959 deaths were registered, corresponding to annual rates of 29.6 and 23.6 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 2 from scarlet fever, 14 from diphtheria, 12 from whooping-cough, 3 from "fever," and 220 from diarrhœa were registered. Seven deaths from diphtheria and 94 from diarrhœa occurred in West Ham district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30.00 inches, and that of the Thermometer 67°5; the latter being 5°3 above the week's average in the 50 years 1841–90. The direction of the wind was easterly, the horizontal movement of the air being 7 per cent, above the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 79.7 hours; the measured rainfall amounted to 0.09 of an inch

#### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of July 1899. The supply was in the ratio of 273 gallons to one service.

Complaying	Number of	Services.	Daily Suppi in Ga	ly of Water
COMPANIES.	JULY,	JULY,	JULY,	JULY,
	1898.	1899.	1898.	1899.
TOTAL SUPPLY	861,546	885,103	229,871,530	241,321,119
From Thames From Lea and from other Sources -	413,402	424,306	124,250,360	130,604,098
	448,144	460,797	105,621,170	110,717,021
THAMES.  Chelsea	35,974	38,355	13,225,278	14,930,069
	82,629	84,354	23,917,011	24,797,025
	121,819	122,975	- 36,931,031	36,920,407
	62,766	64,804	22,647,111	23,513,794
	110,214	113,818	27,529,929	30,442,803
LEA AND OTHER SOURCES.  New River	164,676	167,246	42,694,436	44,255,488
	195,360	201,905	44,959,166	46,600,463
	88,108	91,646	17,967,568	19,861,070

Note.—The Return for July 1899, as compared with that for the corresponding month of 1898, shows an increase of 23,557 services and of 11,449,589 gallons of water supplied daily.

# ANALYSIS OF METROPOLITAN WATER SUPPLY DURING JULY, 1899.

Water-analysis Laboratory, The Yews, Reigate,

1st of August, 1899.

SIR

I HAVE to report to you the results of the chemical analysis, and of the physical and bacterioscopic examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of July.

These examinations include (a) the bacterioscopic and chemical condition of the raw river waters at the intakes of the various Companies, and (b) the bacteriology of the water as it issues from the filter beds of each Company, and before it is pumped into the distributing property.

I append, also, the results obtained in the analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

# Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

	I-											
	OR	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matters.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
				1		1	1	ſ	1			1
	ı	THAMES.		0								
		(Unfiltered water) -	July 4th. Grand Junction Co.'s intake at Hampton.	17:6	26.44	214	*034	-008	138	.179	1.9	18.9
		Chelsea	July 7th. Cab Rank, Horse Guards, Whitehall.	18.0	25.14	119	.014	0	.130	144	1.7	17:4
		West Middlesex -	July 7th.  Cab Rank, Riding House- street.	16.5	24.60	122	.018	0	127	145	1.8	16.9
		Southwark	July 7th.  Cab Rank, St. George's Church, Borough.	20.0	25:30	121	014	0	146	.160	17	17-7
	e e	Grand Junction -	{ July 7th. Cab Rank, Portman-street, Oxford-street. }	19:3	24.98	118	.013	0.	163	.176	1.7	17.1
	Inner Circle.	Lambeth	Cab Rank, St. George's- road, Southwark.	18:5	27:12	123	*014	. 0	•167	•181	1.8	18.8
	Inne	LEA. (Unfiltered water) -	July 6th.  New River Cut at  Green Lanes,	16.3	35*12	.108	.018	.006	173	·196	2.0	18.6
		New River	{ Cab Rank, Tottenham }	17.8	33*56	.064	.005	0	.173	:178	1.9	20.0
		(Unfiltered water) -	July 6th. Lea at Angel-road.	17:8	29.88	240	:048	.010	-151	207	2.0	19.7
ı		East London	July 7th. Cab Rank, Sidney-street, E.	18.7	27.86	111	.011	0	:115	.126	2.0	18.0
		DEEP WELLS.										
		Kent	July 7th. Police Station, Blackheath-road.	130	39:20	.022	2005	- O	·445	·450	2.1	27.2
	Outer Circle.	East London	July 13th. Chingford Well.		28.40	.050	012	.008	trace	·019	2.0	20.0
	Cori	poration of Birming- m*	July 14th. 14 Court. Rea-Street.	20:0	34:00	290	.030	(001	.020	.081	2:2	17:0
	Corp	poration of Glasgow†	July 15th. Loch Katrine water.	16.4	2'48	·120	.030	0	.002	.032	-7	1:3
-		Column 1.	2	3.	4.	5.	6.	7.	-8.	9.	10.	11.
		# Analysed b. D. Alc.					_	-		-		

<sup>\*</sup> Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City. † Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 4th July at the Grand Junction Company's intake at Hampton had a temperature of 17.9° C.; 100,000 lbs. of it contained 26.44 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained 214 lb. of carbon and 034 lb. of nitrogen. The above quantity of water also contained 008 lb. of ammonia and 138 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 179 lb. The above weight of water also contained 1.9 lb. of chlorine, and 18.9 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, was:—Kent 0.5, East London (deep well) 1.1, New River 1.2, East London (river supply) 2.1, Grand Junction 2.2, Chelsea, Southwark, and Lambeth 2.3, and West Middlesex 2.4.

The unfiltered waters contained the following proportions:—Thames at Hampton 4.2, New

River Cut 2:1, and Lea at Angel Road 4:9.

The Thames at Hampton was, on July 4th, turbid and pale yellow in colour. It was of good chemical but indifferent bacterial quality. The water supplied by the five Companies drawing from this river was, in every case, efficiently filtered before delivery; and, both chemically and bacterially, of excellent quality for dietetic and all domestic purposes. The Southwark Company's general supply from Hampton, however, again seriously infringed the bacterial standard of 100 microbes per cubic centimetre. In comparison with the water passing the intakes at Hampton, the bacterial improvement effected by the Thames Companies is expressed by the following percentage numbers:—Chelsea 99.74, West Middlesex 99.83, Southwark (general supply from Hampton) 93.44, (No. 4 filter) 99.94, Grand Junction (general filter well at Hampton) 98.94, (general supply at Kew Bridge) 99.47, (South filter well at Kew Bridge) 99.69, and Lambeth 99.63.

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, on the 6th July, was turbid and nearly colourless. It was of very good chemical and bacterial quality. After efficient filtration, it was of most excellent chemical and bacterial quality for dietetic and all domestic purposes. The reduction in the number of microbes

amounted to 98 11 per cent.

The Lea, at Angel Road, passing the intake of the East London Company, was, on July 6th, turbid and pale yellow in colour. It was of good chemical and bacterial quality. efficient filtration, it was delivered in excellent chemical and bacterial condition, but it was slightly turbid, owing to particles of rust of iron from the mains. In comparison with the raw water at the intake, the bacterial improvement is expressed by the following percentage numbers:—No. 1 Essex filters 98:36, No. 2 Essex filters 97:72, and Middlesex 98:07.

The deep well water of the Kent and East London Companies was clear and bright without

filtration, and of excellent quality for dietetic and all domestic purposes.

Seen through a stratum two feet deep, the New River, Kent and East London (deep well) water was clear and colourless, the East London (river supply) very pale yellow and slightly

turbid, and the remaining waters clear and very pale yellow.

The bacterioscopic examination of the river waters, before and after storage, and of the altered supplies delivered by the various Companies, collected on the 4th, 5th, 6th and 7th July yielded, after prolonged incubation, the results contained in the following Table:-

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, July 4th  " after storage by Chelsea Company, July 4th  " by West Middlesex Company, July 5th  Grand Junction Company's water at Kew Bridge passing to filters, July 5th  New River Cut before passing through reservoirs, July 6th  River Lea at Angel Road, July 6th  " "	6,400 1,020 660 360 740 1,760 2,800 2,540	0 17·6 17·2 17·3 18·2 16·3 17·5 17·8
THAMES.  Chelsea Company's general filter well, July 4th West Middlesex Company's general filter well, July 5th Southwark Company's tap on filtered water main at Hampton works, July 4th Southwark Company's No. 4 filter well, July 4th Grand Junction Company's general filter well at Hampton, July 4th  "" " tap on filtered water main at Kew Bridge Works, July 5th South filter well at Kew Bridge, July 5th Lambeth Company's general filter well, July 4th  Lambeth Company's general filter well, July 4th	18 12 420 4 68 34 20 24	17.5 17.0 16.9 16.6 17.5 17.6 17.8 16.8
LEA.  New River Company's general filter well, July 6th  East London Company's No. 1 Essex filters, July 6th  No. 2 " " " Middlesex " " "	14 46 64 54	17:5 17:7 17:8 17:9
DEEP-WELL.  Kent Company's "New" Well at Deptford, July 7th-	1	11.3

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied to that City was, on July 14th, "slightly turbid and pale green."

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on July 15th, "light brown in colour, and contained a little suspended matter."

I am, &c.,

E. FRANKLAND,

The Registrar-General, &c., &c.

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   | STATA MOTE   | DWANDEA.   | WOLVERHAMPTON.  | BIRMINGHAM.   | Norwich.  
  | LEICESTER.  | NOTTINGHAM.   | DERBY.   | BIRKENHEAD.  | LIVERPOOL.   
   | Bolton.   | MANCHESTER.  | OLDHAM.  | BURNLEY.              | BLACKBURN.  | PRESTON.  | HUDDERSFIELD.   
  | HALIFAX.   | BRADFORD.  | LEEDS.  | -  |   
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  | 27.4   | 12.7   | 16.1   | 7.87                                    | 9.7.6  | 21.0   
   | 16.3   | 1.12   | 20.2  | 24.6  | 20.2  
  | 23.7  | 78.1  | 12.7   | 19.5   | 31.5   
   | 18.0  | 29.0   | 10.0   | 0.08<br>0.07          | 13.9  | 15.5  | 19.5  
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| ending<br>t 1899. |  | BATHS.   | c  |  | 82.80  | 2200  
  | 158  | 31   | 38   | 103                                     | 63   | 129  
   | 28   | 42   | 255   | 676   | 45  
  | 0.7   | 160   | 98   | 5 5  | 606  
   | 900   | 302  | 124  | 47                    | 65  | 86<br>87  | 3 8   
  | 200  | 8 9  | 100   | 950  | 800   
  | 25   | 26   | 121  |
| the Week          |  | BTHS.  |  | i  |  | 22.17   
  | 172  | 67   | 89   | 68                                      | 62   | 159  
   | III  | 29   | 55  | 257   | 69  
  | 100   | 153   | 200  | 3 0  | 467  
   | 777   | 334  | 131  | 89                    | 29  | 97.   | 90  
  | 40   | 110  | 954   | 959  | 152   
  | 104  | 99   | 128  |
| -                 | estimated<br>to the  |  |  |  | _  | 4,546,752   
  | 300,241  | 127,759  | 123,226  | 190,741                                 | 160,637  | 320,911  
   | 185,826  | 103,722  | 88.821  | 514 058   | 113.966   
  | 919 951   | 100,017   | 106.401  | 105,201  | 201,011  
   | 212,460   | 543,902  | 218,244  | 150,772               | 113,081   | 135,154   | 220,111   
  |  | 97,721   | 230,241   | 423,369  | 501,105   
  |  |  |  |
|                   | AND  | BOBOUGES.  | 000  | Cols   | 1  | LONDON  
  | WEST HAM -   | CROYDON  | BRIGHTON   | PORTSMOUTH -                            | PLYMOUTH -   | BRISTOL -  
   | CARDIEF  | SWANSEA  | WOTOTA HOTTON   | WOLVERHAME  | WV  
  |   |   |  |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
   | ı   | - CATTER   |  | OLDHAM                | BURNLEY   | RN-   |   
  | HODDERSKIELD -   | HALIFAX  | BRADFORD -  | LEEDS -  |   
  |  |  |  |
|                   | POPULATION 5th August 1895. Deaths of Deaths from . 5 Week's Deaths. Mean. | POPULATION the weak and in to the Meak and in to the Meak and in to the Meak and in to the military of the mil | Destrictions.  Trong Carees of Destrictions.  Destrictions.  Destrictions.  Destrictions.  Discrete of | POTUTATION She wedding to the Week and the W | POTULAMICON  The search of the | POPUTATION She wealing to the Week anding to the Week anding to the Week anding to the Week and the She weather to the Week and the Wee | Total Columbia   Col | POPULATYON Charactering   Continued   Co | Populary No.   Populary   Popul | POPULATYON Sch August 1899,   Post Late | Portlation   Chi August 1999,   Partner   Pa | POPULATION   Character   Cha | Cols.   1.   2.   3.   4.   5.   6.   7.   8.   9.   128   20   9.   25.2   789   129   25.2   188   189   25.2   27.2   287 | Populativo   Color   Colonearine | Colorado   Colorado | Column   Court   Column   Column   Court   Column   Col | POPUTATION   Chief Wash washed and the continued of the continued of the continued of the continued of the continued of the continued of the continued of the continued of the continued of the continue of | Solution   Parket   Colorative and   Colo | Colora   C | Property   Color   C | Cols.   1.   2.   2.   3.   4.   4.   4.   4.   4.   4.   4 | Column   C | Color   Colo | Particular   Continue | Contraction   Contraction | Color   Laborates   Marchest   Colin   Coli | Colora   C | 11,464,408   GGTG   GSTG   G | Particle   Particle | Column   C | Column   C | 11,404,406   6576   6 | Colora   C | Column   C |

TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-FIRST Week of each of the Eleven Years, 1889-99.

		1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
ľ	TOTAL Births	2481	2557	2317	2376	2570	2695	2624	2623	2395	2335	2627:5	2577
	Males Females -	1216 1265	1338 1219	1199 1118	1258 1118	1359 1211	1379 1316	1376 1248	1343 1280	1227 1168	1171 1164	1353 <sup>.</sup> 7 1273 <sup>.</sup> 8	1338 1239
ı	TOTAL Deaths -	1532	1683	1646	1409	1715	1461	1806	2058	2202	1586	1790-2	2200
	Males Females	825 707	881   802	883 763	734 675	913 802	775 639	915 891	1103 955	1176 1026	852 734	952 <sup>-9</sup> 846 <sup>-3</sup>	1120 1080

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirty-first week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

	in Ho	SPITA	LS, 11	tne 1	last 1	HIRT.	EEN V	VEEKS	3.				
* 11.1	May 13.	May 20.	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug.
TOTAL Births	2574	2598	2306	2678	2445	2571	2422	2441	2484	2351	2444	2494	2577
TOTAL Deaths	1428	1419	1366	1483	1365	1316	1355	1297	1310	1387	1589	1884	2200
$ \begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{array}{c} \textbf{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20 & \text{years} \\ 20-40 & \text{years} \\ 40-60 & \text{years} \\ 80 \text{ years and upwards} \end{array} \end{cases} $	285 196 72 206 282 320 67	277 170 77 219 314 297 65	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1048 239 99 201 311 238 64
Deaths from— Small pox Measles	49 2 40 39	51 9 24 39	61 5 23 34	67 4 24 33	1 93 5 28 27	64 7 35 35	- 65 4 28 35	51 11 25 26	50 12 31 27	1 48 4 37 26	46 8 42 20	56 5 35 19	60 6 44 27
Enteric Fever Simple Continued Fever Diarrhœa and Dysentery Cholera	9	12	10	6 13 -	7 12	6 12 -	9	11 20 -	7 28	6 -75 2	8 185 7	13 350 12	13 477 21
All the above Diseases -	147	141	137	147	173	159	148	144	155	199	316	490	648
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence—Inquest Cases——Deaths in Public Institutions—	257 143 148 83 165 484	257 170 137 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	159 143 110 91 161 521
TEMPERATURE OF THE AIR.  Mean	50°9 62°2 41°7	54·4 62·7 48·3	49.5 57.1 43.2	58·4 70·8 43·6	61.1 73.3 49.1	56·3 69·3 45·1	60.7 69.7 53.7	62·3 73·1 53·8	62:3 71:9 54:3	66·2 77·7 56·9	70°2 83°2 57°9	64.8 75.4 55.3	67·5 78·8 57·3
Humidity of the Air "	75	. 75	78	60	64	67	73	68	71	67	58	67	69
Rain-fall (in inches)	0.01	0.97	0.66	0.00	0.00	0.00	0.21	0.74	0.13	0.09	0'06	0.97	0.09
Registered Sunshine (in hours)	43.0	33.9	29.3	95.9	72.1	68.0	26.2	43.9	31.4	49.4	71.0	63.6	79.7
CASES OF INFECT	ious s	BICKN	ESS IN	Hosp	ITALS	AT T	HE EN	D OF	EACH	WEE	K.		
Small-pox	2210 1065 107	2161 1066 99	$\begin{bmatrix} 2201 \\ 1111 \\ 102 \end{bmatrix}$	$\begin{bmatrix} 1 \\ 2212 \\ 1134 \\ 99 \end{bmatrix}$	2269 1159 97	$\begin{bmatrix} 1 \\ 2280 \\ 1170 \\ 93 \end{bmatrix}$	$\begin{bmatrix} 2367 \\ 1230 \\ 109 \end{bmatrix}$	$\begin{bmatrix} 2 \\ 2430 \\ 1280 \\ 105 \end{bmatrix}$	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their mateorological observations at the dispetal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. 'reston, Esq., F.R. Met. Soc., Norwich: John Merrifield, Esq., LLD., Plymouth; R.C. Cann Lippincott. E.q., Gristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull

BLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

			7	[HI	RT	y-F	IRS	ST	Wee	ek of the Year 1899.									_
	years		In t	he V	Veel th A	k end	ling st 18	99.			r the years	8	In	the	Wee 5th	k en Aug	ding ust 1	899.	_
	ges for the 10 5*.		Dea	ths o	of Pe	ersor es	sof			:	ges for the 10 18*.		De	aths	of I	erso ges	ns of	!	
SESOF DEATH	Averages sk of the 1889-98*,	° a	U1	ider 10.		der 40.	der 60.	der 80.	and 8.	CAUSES OF DEATH	Averages sk of the 1889-98*.	SQ .	τ	nder 20.		der 40.	der 60.	der 80.	and
	Corrected A	ALL AGES	0-1	1-5.	5-20.	20 and under 40	40 and under 60.	60 and under 80	80 years a		Corrected 31st Week	ALL AGES	0-1.	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80	8C years npwards
ISES	1799-2	2200	1049	238	99	201	311	238	64	Diseases of Circulatory }	113.6	110	-		7	19	34	45	5
Vaccinated† Unvaccinated No Statement Fever -	0·2 0·3 0·5 48·7 20·8 0·2	- - 60 6	- 22 -	- 36 1	- - 2 5	111711	TI LI LI	111111		Croup	3.7 85.5 69.4 5.6 17.4	1 61 79 5 13	- 19 19 - 5	1 4 14 -	- 4 1	- 11 1	14 19 3 4	18 12 - 3	6 - 1
ng Fever  'as	4·4 34·4 46·3 0·6 10·6 10·3 278·8 0·1	2 27 44 - 13 21 477	15 3 - 12 419	- 11 28 - 7 37 -	1 11 - 3 - 4	2 6 1 2 -	1 - 4 1 6 -	- - - - 8		Dentition Quinsy, Sore Throat - Enteritis } Gastro-enteritis Peritonitis Diseases of Liver - Other Diseases of Digestive System	10.5 1.6 80.8 { 7.7 27.3 37.7	16 3 54 228 5 33 34	14 34 191 1 3 7	3 10 29 - 1	- 4 - 2 - 2	- 1 1 7 10	- 3 3 1 15 5	- 2 4 - 6 6	<u>-</u>
nt Fever	01 01 103 41 16 34	- 1 9 8 5 2 1	- 1 4 1 2 - 1			- 2 1 - 1	- 411	- - 2 1 -	- 1 1 -	Diseases of Lymphatic System & of Ductless Glands	3.2	1 35	-		1	7	12	- 14	1
and other Para-	2.2	1	-		-	-	-	- 1	-	Diseases of Generative System - SAccidents of Childbirth-	5.8	10 9	3		- 2	5 9 3	4 -	1 -	-
ion, Want of } t-milk } ism	3·4 9·6	3 15	2 -	-	-	6	9	1 -	-	System }  Diseases of Integumen- tary System }	6.8	7	2		-	1	1	2	
atic Fever, matism of Heart } atism	5·2 1·6 2·2 7·5 7·2 40·1 31·1 142·2 25·6 10·3	7 4 2 9 78 34 22 143 19 10	3 - 28 10 4 8		1 1 4 16 3	3 - - 8 - 1 56 3 2	2 1 1 38 2 1 55 1 1	1 2 1 27 - 8 - 6	1 - 4 - 1	VIOLENT DEATHS.;  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions -	59.7	1 8 2 1 8		1 4	3 - 1	1 2 2	2 1 - 1	- 2	111111
ture Birth	55°3 3°5 8°7 39°1	53 5 7 38	52 5 6 -	-	1 -	-		-	-	By Drowning - By Suffocation in Bed By Poisons or Poisonous Vapours Other or not stated causes -		15 10 7 33	-	1 2	3	3 4	3 12	-	3
exy	37.9 8.0 46.9 82.5	47 10 46 79	1 -40 18		- 3 - 6 -	2 4 - 7	4	1	-	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.2 10.8 0.2	- 6	1 - 1	111		1-	1-3-	1 01	1 1 1
es of Organs of a large state of lar	4.2	4	2	-	1	1	-	-	-	OTHER CAUSES	81.3	83	7	7 3	-	-	2	]	-
e numbers in this o	olumna	ra th	0 9 776	arac	70 7	Vee'	klv	des	ths	for the ten years 1889-98, rai	sed by 5	213 p	er	cen	t. fo	r i	nere	ase	3

te numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase ulation.

19 those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered at men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." of evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ant, murder, manslaughter or suicide. All such causes are classed under "accident"

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in c CABLE 5.

SUB-DISTRICT during the We	eek endin	g Sat	urday	, 5tl	ı Au	gus	t, 18	99.									
				_			The	DEA	гнз г	giste	red d	uring	the W	7eek i	nelud	(e	
	Enume-	j		De	aths of	£				Deat	hs fro	m					tions.
REGISTRATION SUB-DISTRICTS,	rated Population, 1896.	Tota BIRTHS,	Total DEATHS.	Infants under 1 Year	Persons aged 60 Years and upwards.	Sriall-pox.	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deathsin Publicinstitutions
LONDON -	4,411,710	2,577	2,200	1049	302	-	60	6	44	27	_	13		477	91	161	521
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	389 564 126 519 979	343 440 126 459 806 26	166 193 50 252 388	50 71 13 50 109 9	1 1111	2 8 2 6 42 -	1 2 - 2	2 14 4 3 21 -	2 5 9 11 -	11111	1 6 3 2 1		81 81 18 118 178	24 11 5 27 24	30 25 8 50 48	74 112 53 114 142 26
$ \begin{array}{c} \text{West Districts.} \\ \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \\ H G. \end{array} $	90,996 <b>33</b> ,510	54 10	40 11	21	5 2		_				1 1	1 -	-	15 1	4	6	4 7
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	55 11	60 12	24 4	15 3	-	2 -			7-	-	-	-	9 2	5 1	4	18 2
North Hammersmith $H$ W. & G South Hammersmith $H$ W. & C. Fulham $Ww$ W. & C.	44,638 59,561 113,781	29 29 90	17 30 70	14 16 40	38	-		- 1	- - 1	- 1		-		5 9 <b>1</b> 9	44	5 3	2 7
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	16 25 13	10 23 13	7 9 6	- 3 4	-		1 1 1	- 1 -	-	-			2 3 4	- 3	2 2 3	10 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	6 22 16 2	8 22 11 6	1 10 9 2	1 1 1		-	1111		1	-		1111	5 4 1	1 2.	3 -	7 13 - 2
$ \left. \begin{array}{l} \text{St. James Westminster} \\ WHH \\ \text{St. Anne Soho}  HHHHHHH - \text{N.} \end{array} \right. $	23,050 12,048	7 4	8 2	3 -	3 -	-	-	-	-	-	-	-	-	1	-	-	1 -
NORTH DISTRICTS.  All Souls Marylebone	36,595 19,798 19,637 32,547 32,611	10 11 33 17 15	24 1 7 9	5 - 3 6 7	8 1			1 1 1 1	1 1 1 1 1	- - - - 1	1 1 1 1			3 - 1 4	1 - 1	2 -	13
$\left. \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} \right\} - \text{N. & W.}$	75,449	25	25	6	7	-	-	2	3	-	_	2	-	4	1	2	11
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	16 6 13 23 16 59	9 12 27 19 9 40	6 8 6 9 2 25	1 2 4 1 5 3		1 1 1 1		11111	11111				2 4 5 2 14	41	- 4 2 1 2	1 5 7 4 7 4
$ \begin{array}{c cccc} \textbf{Upper Holloway} & & & - & & N. \\ \hline WWWwWHH & & & & - & N. \\ \textbf{Islington South-west} & H & - & N. \\ \textbf{Islington South-east} & - & - & N. \\ \textbf{Highbury} & HH & - & - & N. \\ \end{array} $	98,273 107,365 66,549 64,577	59 57 38 31	49 33 20 14	15 22 10 7	8 1 3 2	-	1		3 2 -	21			-	1 8 6 4	-		26
Stoke Newington $H$ N. North Hackney E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$ \left\{ \begin{array}{c c} 8 \\ 22 \\ 31 \\ 27 \\ 47 \end{array} \right. $	7 6 28 36 51	4 10 18 20	1 1 3 8 12	11111	1 2 1	11111	5	-		1	1111	2 - 1 9 9	1 1 1	1 4 2 3	- 8 6 18

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District that that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which papers are Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. New See note on second page of this Return.

See note on second page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—Population; Births; Deaths from All Causes, and from Small-Pox, Measles Arlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in each p. District during the Week ending Saturday, 5th August, 1899—continued.

B-DISTRICT during the Wee	ek ending	Satu	rday,	5th.	Aug	ust,	189	9—c	onti	nue	d.							
							The	DEA	THST	egiste	red d	uring	the V	Week	inolu	de		
	Enume-			Deat1	hs of		;		D	eaths	fron	a.			-		ntione	of
SISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age,	Persons aged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence	InquestCases	ld.	Uncertified Causes Death.
														- 1				
CENTRAL DISTRICTS.																		
orge Bloomsbury N. es South $WH$ N. les North $H$ N.	16,110 12,976 9,151	7 18 2	382	1 3 -	1 2 -	-				-	7	,1 1 1	1 -	1 -	1 -	1 -	3	
rtin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 †1,037	3 3 -	7 4 2	1	1	-	-			-		-	-		1 -	1 2 -	6 1 2	-
mes Clerkenwell - N. ell Clerkenwell - N. ell-street - N. coross-street - N. cury - N. ury - N. cham - Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	16 16 17 13 20 4 -	34 4 10 6 22 3 2	17 2 4 1 14 2 1	2 1 1 - 1	-	2	1111111	3		1111111	1111111	31111111	3 1 3 1 6 1	1	1	21 5 - 1	
$tolph\ H$ N. & E. legate N. pulchre $WH$ N. llows Barking N. Btreet $H$ N. $fLondon\ Asylum\ Stone$	6,870 3,299 9,591 9,059 2,892 †388	2237 -	2 1 14 - - 1		122 - 1 -	111111	-	11111	1	111111	1 1 1 1 1		11111	- 2	- 1	1 1	12 - 1	
EAST DISTRICTS.  editch South $Hl$ - E. & N. on New Town $w$ - N. on 10d Town N. eston $WH$ - N. & E.	17,975 29,575 27,645 47,163	9 21 17 43	15 26 18 32	11 12 12 20	7 1 2	1111	- 1 -	- 1		- -	,		-	2 8 10 10	2 - 2	2 - 3	9 7 6	1 1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	49,301 34,194 45,667	39 27 26	30 9 29	21 4 15	2 1 6				-	- - 1	-	-		14 - 8	1 1 -	5 5 2	12	-
lfields E.&N. End New Town* WH - E. man's Fields* E.	26,681 } 51,995 {	17 31 13	8 63 9	7 22 7	6 2				1		-	1 2 -		4 2 2	9 -	10	53	-
eorge's North E. hn,St.George East W E.	39,576 7,930	36 4	18 10	11 6	2	-	ī	-	-	1 -	-	-	-	2	-		5	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	14,954	2 5 19	11 6 16	7 5 11	- 1	- - -	- 2	-	-			-	-	4 5 2	- 2	- 3	10	
End Old Town West H E. End Old Town East	} 111,060	{ 49 41	30 24	17 15	3 4	-	-	-	-	2	-	-	-	6 7	-	5	4	-
mley wwwH E.	69,821	29 44 47	19 56 30	11 25 13	94		2 -		1 1	1 2 1				5 17 9	433	5 5 5	1 13 1	-

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME. SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHCEA, VIOLENCE, &c., registered in Sub-District during the Week ending Saturday, 5th August, 1899—continued.

SUB-DISTRICT during the We		1		1		,				_			41	To d		
				D=-	theof	1	The	DEAT		egister			the A	veek i	nelue	
	Enume- rated							1		Death	Iron	1-	12			
REGISTRATION SUB-DISTRICTS	Popu-	sú.	, w	I Year	Persons aged 60 Years and upwards.					lgh.		Typhoid)	Continued			
	1896.	пвти	EATH	under e.	naged	OX.		Fever.	ria.	ng-cor				38.		Cases
		Total BIRTHS.	Total DEATHS.	Infants under of Age.	ersons	Small-pox	Measles,	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enterio (or	Simple	Diarrhoea	Violence	Inquest Cases.
		F	H	H	Pi Pi	502	2	ďŽ	A		H	PA	1 22	1 0	<u> </u>	1 4
SOUTH DISTRICTS.																
Christchurch Southwark WHL.&S. St. Saviour Southwark S.	13,064 12,301	7 8	7 7	4 4	1	-	-	-	-	1	-	-	-	- 2	-	-
Kent-road S. & L.	12,301 22,879 16,083	$\begin{array}{c c} 14 \\ 12 \end{array}$	7 12 14 10	8 5 3	-	1 : t. 1	4		_	-	7 Pr 12	0.0	-	3 5 5		2
London-road $HL$ L.&S. Trinity Newington S.&L. St. Peter Walworth $W$ - S.&I.	21,316 28,723 62,045	16 13 47	10 15 30	8 16	2 1 2 2		1 2 1 1		- 2	-	-		1 1 1	3 3 4	-	1
St. Peter Walworth W - S. & I. St. Mary Newington - L. & S.	30,171	15	15	8	2	-,	î	-	ĩ	-	-	п	7	4	-	- 4
St. Olave $WH S$ . Bermondsey $W S$ .	11,731 85,475	8 66	27 46	6 27	1 2 2	1 1	2 3	_	1	1	-	-	-	2 12	2 2 2	2 3 2
Rotherhithe WwH - S. & K.	40,379	. 21	28	13	2	-	-	-		-	-	#/ E		3	2	2
Waterloo-road $HH$ - L. & S. Lambeth Church 1st $H$ - L. & S.	28,396 18,770	34	18 32	5 9	4		3	-	- 2	-	1 17	7 E E	E - E	3	1 4	1 6
Lambeth Church 2nd $WW$ L. & S. Kennington 1st $H$ - S. & L. Kennington 2nd - S. & L.	40,994 52,486 43,244	39 22 21	43 31 11	19 23 3	9 2 3 7		5 2		1 1 1	3	-	1-1	-	398261	1	4
Brixton $w$ L. & S. Norwood $WH$ L.	81,825 29,318	38	37	15 1	7	-	4	-	2	-	1 1 3	ī	7 -	6	2 1	3
East Battersea S.	71,730	. 39	47	34	2		_	_	_	1	~	-		18	1	6
West Battersea WwH S. Clapham H S.	93,385 46,953	51 18	32 14	12	13 1 1	-	1	-	1	ī	7	-	= =	3 3	-	3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	58,101 20,566 61,644	42 13 40	16 6 11	6 8 3 3	1 - 4	-	1 -	-	- 2	-	-	-	-	6 2	1	2 2
	7,519		2												-	
Camberwell Wwll - S. & L. Peckham WW - S. L. & K	90,286 88,242	50 55	49 30	20 17	$\begin{array}{c} 1 \\ 7 \\ 6 \end{array}$	-	$\frac{1}{1}$	-	-	-	-	-	-	11 9	. 1	1 1 1
St. George Camberwell - L. & S.	67,029	37	31	19	3	-	1	-	-	-	-	-	-	9	-	1
Deptford North K. Deptford Central w K.	36,152 45,441	21 29	30 25	20 14	3 2 3	-	4	-	4	1	-	-		14 9	-	-
Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	33,402 23,012 37,767	15 13 26	. 9 5 11	5 4 2	3   -	- 1	ī	-		1.	-	-	-	$\frac{2}{1}$	-	1 -
				}		-					-	=	-	1		
Lee $H$ $K$ . Lewisham $WwH$ $K$ .	5,911 24,222 38,139	$\begin{bmatrix} 4 \\ 10 \\ 39 \end{bmatrix}$	$\frac{4}{6}$	2297	1 3 6	-	1	-	- 2	-	-	1	-	1 6	-	-
Sydenham $H \overline{L}$ .	37,601	16	24 15	7	ĭ	-	-	-	-	-	-	-	-	3	1	1
Charlton wHH K. Woolwich Dockyard K.	15,928 19,355	10	14 7	5	1	-	1	-	4	-	-	-	-	2	1	1
Woolwich Arsenal $HHHH - \overline{K}$ . Plumstead West $H - \overline{K}$ . Plumstead East $WH - \overline{K}$ .	21,959 16,714 42,538	12 7 26	9	3 1 10	Î	-	-	-	1	-	-	-	-	1	2	2
	12,000	20	- 23	10	. 1			-	1	2	-	-	-	4	1	1
Banstead Asylum Caterham Asylum Cane Hill Asylum	-		- 2	-	1	-	-	-	-	-	-	-	-	-	-	1
Darenth Asylum		-	1	-	-		-	1	-	-	-	-	1 1	-	=	-
London County Asylum, Dartford Heath Hanwell Asylum	_	-	1 5	- }			-	-	-		-	-	-	1	-	
Colney Hatch Asylum N.E. Hospital Winchmore Hill Hospital		-	5	-	2 2 -	-	-	ĩ	-	-	-	-	-	-	-	-
Leavesden Agylum	-	-	- 6 5	. =	3	-	-		-	- 2	-	1	-	-		
Clavbury Asylum London County Lunatic Asylum, Horton.	-		2 7	-	-	-	-	-	-	-	-	-	-	~	-	-

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 5th August, 1899.

en	spitals, and Asylums) ling Saturday, 5th August	t, 1899.																
								The	DEA	THS	regist	ered i	n the	Week	inel	ıde		
			Enume-	20.	vå	Deat	hsof				Death	as from	m.				0	88
1	REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
)N	DON-OUTER RING -	368,749	1,422,063	1129	759	428	96	_	11	2	14	12	3	220	23	41	52	2
1	Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	12 2	4 4	1	-	-	-	î	_	-	-	1	- 1	-	- 1	-
	Godstone, part of * W -	2,754	1,598	1	-	-	-	-	-		-		-,	-	-	-	-,	-
	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	77 14.	37 6	22 3	5	-		- 12 - 1	1	2	4.1	12 3	2	4	4	<u>-</u>
	Wimbledon $HHH$ Kingston $WH$ Surbiton $H$	3,220 14,672 4,565	25,777 33,566 12,178 11,080 18,252	12 - 17 - 5 - 10 - 12	11 7 4 5	4 2 -	22312	1111	11111	11111	1111	11111		2 1 - 2		3	1 2 -	11111
1.	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	9- 12	9-	2.2	$\frac{2}{1}$	-		-	-	-		21 21	1-1	1 2 2	1	-
1	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	15 12 19	5 9 8	2 2 2	$\begin{array}{c} 1 \\ 2 \\ 4 \end{array}$		-,	1.1	-			1 -	1 1 1		1 4	~ 1 1
1	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	16	15	3 -	1	-	. <del>-</del>	-	2	2	-	1 -	1 -	1	-	-
1	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	17	7 7	3 4	1	<u>-</u>	-,	-	-	-	- -	3 -	2	2	-	-
	Hillingdon $WHH$ Uxbridge Hayes $wH$	6,035 12,757 7,952	12,237 7,253 11,051	5 8 7	4 6	1 1 5	2 1 -		1 1 1	-		1 1 1	1 1 1	1 1 2	1 1 1	-	-	- 1 - 1
	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	24 1.0 25 22 24	18 2 10 20 22	9 1 7 11 12	5 1 5 3	1111	- - 1	- - 1	- - 1	11111	11111	4 1 3 10 7	- 1 1	- 1 1	4	1-1-1-1-1
	Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	13 2 68 18	6 50 17	6 28 9	- 10 3		- 3 1	-	- 1	- 1	- 1 -	9 3	1 2	2 3	- 1 5	
	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	6,367 14,152 25,820	4 5 16	$\frac{1}{2}$	- 2	- 1 ~		-	-	1 - 1	-		- 1	- 1	ī	1	-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	43 86 38 27 13 8	23 69 27 10 3 7	11 43 18 8 2 3	4 6 1 - -	11111	1 1		1	1 1 1 1 1 1	-	7 25 10 3 1	1	88 1 1 1	1 3	11111
1	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	8	1	1	3 [ ]	- - -		-	1 1 1	-		1 1,1	1,1,1,1	-	1 1 1	
	Stratford       H       -	3,266 - 4,334 - 6,501	38,612 58,030 54,750 53,511 32,713 70,188 57,330	29 68 51 24 66 47 60	26 58 50 17 42 49 34	19 44 33 11 30 23 21	1 2 3 1 12 3		1 - 2		1 1 1	1 2 - 1 - 1	1 - 1	14 21 16 5 20 10 8	1 1 1	1 1 1	15	1
-	Chigwell, part of * HHHH Epping WH, part of * -  Comford, part of * WH -	6,556 8,493	12,941 - 4,324 10,913	6 - 4 26	3 - 1 10	1 6	1 - 1			-	1 1 1	1 1 1 1		- 1 2	11.11	- - 1	-	1 1 1 1
	Carking Town, H	_ 3,814	14,301	8	9	5	-	-	-	-	-	-	-	4	1-	2	-	-

teparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst strict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in Id sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for lous Diseases belonging to the Outer Ring in 42: 2, Dartford: 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS an Rate of MORTALITY during the week ending Saturday, 5th August, 1899.

		1					Mh a Dr	Persons x e e e e e e e e e e e e e e e e e e							
	Area	Population estimated	of MOR	L RATE TALITY 0 living.	DEATHS	Dea	ths of	ATH	s regi			ths from    1-2	ande		
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	rom ALL CAUSES.	Infants under I Year of Age.		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	1 1		Violence.
Cols.	1.	2.	3.	4,	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15
GREATER LONDON	443,421	6,528,434	23.6	7:1	2959	1477	398		71	8	58	39	16	697	11
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	25·2 20·0	7·2 6·9	2200 <b>75</b> 9	1049 428	302 96	1 1	60 11	6 2	44 14	27 12	13	477 220	91 23

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivalent the area of a circle having a radius of 14.851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

•		a	nu i	in certain	TOREIGN	OIIIES.						
	POPULATION	70				ANNUAL	DE	ATHS	FROM	PRITO	SES.	L ZYM
CITIES. \	(enumerated	DATE OF RETUI	RN.	BIRTHS.	DEATHS.	DEATH-	OK.		t :	eria,	ng-	
CITIES.	or estimated).	Week end	ing	Exclusive	of Stillborn	1000	11.p	Measles.	Scarlet Fever.	the	opi	Fever.
	estimated).					Hving.	Small-pox.	Ke	Fe	Diphtheria	Whooping-	E .
	000 007			163	7.07	1047		<u> </u>			1	
EDINBURGH - GLASGOW	298,927 733,903	Aug.	5 <b>5</b>	451	107 289	18.7 20.5	_	8	3	1	4	6
DUBLIN	349,594	22	5	194	223	33.3	_	18	_	7.	4	3
CALCUTTA	466,460	June	24	_	182	20.3	_	~		1	1	60†
BOMBAY	821,764	July	11	185	516	32.7	10	13	2	?	?	102†
MADRAS	452,518	June	23	344	283 .	32.5	_	6	?	?	?	60
PARIS	2,511,629	July	29	1183	948	19.6	_	29	6	- 3*	12	15
BRUSSELS	551,011	,,	29	263	182	16.8		1	1	1*	-	3
AMSTERDAM -	517,595	29	22	315	161	16.2	_ '	-	-	-	3	1
ROTTERDAM -	315,305	17	22	216	126	20.8	-	-	-	1	2	2
THE HAGUE -	199,285	19	22	102	58	15.1	-	-	-	-	1	-
COPENHAGEN -	345,000	,,,	29	-		1	-	-	-	-	-	-
STOCKHOLM -	291,580	"	22	139	141	25.1	-	1	3	9*	1	1
CHRISTIANIA -	221,073	19	29	99	. 93	28.9	-	-	1	1	1	-
ST. PETERSBURG	1,132,677	>>	22	586	630	29.0		18	5	12	5	17
Moscow	988,610	39	22	-	811	42.8	4	9	4	.6	1	5
BERLIN	1,818,517	>>	15	952	658	18.9	-	21	16	13	10	-
HAMBURG	675,351	39	29		296	22.8	- 1	-	-	-	1	-
DRESDEN BRESLAU	394,300	>9	8 29	251	119	15.7	-	-	-,	1*	2	-
MUNICH	406,012 445,000	**	22	290	251 198	32·2 23·1		2	1 2	1	3	_
VIENNA	1,623,134	>>	29	935	661	21.2		15	5	10	5	1
PRAGUE	384,622	15	29	187	150	20.3		4	2	1-	4	1
BUDA-PESTH -	666,722	19	22	450	242	18.9	_	2	6	2	-	2
TRIESTE	166,599	39	15	110	95	29.6	-	-	3		2	-
ROME	505,850	,,	8	186	144	14.8		-	-		-	15
TURIN (10 days)	344,203	June	20	187	168	17.8	-	-	-	2	2	1
VENICE	171,023	July	22	78	66	20.1	-		-	lea	-	5
CAIRO	570,062	-		-	-	-	-	-	-	-	-	-
ALEXANDRIA -	319,766	_		-	-	-	-	-	-	-	-	-
NEW YORK (including)	3,550,053	July	8	1349	1607	23.6	1	13	7	42	10	10
BROOKLYN) PHILADELPHIA-	1,266,832	22	15	100	482	19:8	_	-	2	18	9	9
												-

Including deaths from croup.
Including 8 deaths from plague in Calcutta and 62 in Bombay.
Including 1 death from cholera in Calcutta and 1 in Bombay.
Malariai fever.

	_							_														-32
		Orone.		<u> </u>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28		ns of	the the	The	bles.	and	eter.	ent,	th: 1 of	
Rain	ina	whose receiving	surraceis 5 inches above the Ground.	in.	00-0	00.0	00.0	0.00	0.00	60.0	8mm 0.00	25	0.4420	The means of the wet bulb	correct wenty y 1868 for	minin mn 8).	rical Ta	ling 1875 higher,"	ectrometer moderate	Instrum	st the 4	
		10n's.	Departure from Average of 16 Years.	Miles.	2 00	- 50	98 -	89 +	+119	+ 72	Sum +114	24		al.	ation of ng the t	air (colu	ygromet nof the	ears end icates "	ering Eleak; m.	nshine]	inning o on Augu 3 in. by	
ra.		Rocinson's.	Horizontal Movement of the Air on each Day.	Miles.	984	185	211	318	372	328	Sum 1845	23	nidnight	o sea lever.	ade duri	re of the	isher's H	the 16 y at + ind	lf-regist; w. we	tokes Su	the beg. 3h. P.M. d to 297	
nomete		he,	Mean of 34 hourly obs.	lbs.	0.5	0.1	0.1	0.3	9.0	0.4	:	99	ht to n	dace to the state of the state	by three roles in wenty	of the	om ac	ds for	n's se	bell-S	in. by erease	
om Ane		Pressure on the Square Foot.	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	idnig	to rec	value c reco the t	ings f tem	eters l	crecol crecol o in m	homsca.	Camp	n 30'04 30 29'75 30 de	
luced fr		Press	Great-	lbs.	2.3	1.8	2.2	3.2	4.0	4.4	:	02	rom n	adings A.M.;	daily graphi uring	read	rmom	born preect	rom T	m the	ed f <b>ro</b> eased 1 5th ; a	
Wind as deduced from Anemometers.	Osler's.	irection.	P.M.	E N E N N	& ESE.	E. & ESE.	田	E. & ENE.	E. & ENE.	E, ESE, & ENE.	& E.	61	ivil day, or	ed to the resalt aken at 9h.	linto mean of the photo eter, and d	nean of the	wet bulbthe	of the anemore 24 it will be	d. is derived is:—P. positi	derived from of bright	eter increas y 31st : decr P.M. on the	
		General Direction.	A.M.	N & WNN	ENE. &	ENE. NE.	E. & NE.	ENE.	ENE. & E.	ENE. & E.	ENE.	18	The results apply to the civil day, or from midnightto midnight.	An arrangement of the control of the	thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1888 for the flormometers. With the corrected mean reading of the dry bulb thermometer in	combined the corrected mean of the readings of the maximum and minimum thermometers forming the maximum and minimum thermometers forming the mean daily value of temperature of the air (column 8). The mean mean daily dear or the mean column and darmas of the mean mean daily dear or the mean mean daily dear or the mean mean daily dear or the mean daily dear or the mean mean daily dear or the daily dear or the mean daily dear or the mean daily dear or the d	daily values of the dry and wet builtherse by Glasher's Hygrometrical Tables.  Heaverse of the dry and wet builtherse by Glasher's Hygrometrical Tables.  The Average of the dry and the following the dry of the dry of the dry	of the air from a discussion of the anomometric records for the 18 years ending 1876.  In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and  "Lower," than the average.  The values given in column of a remove of contraction of the	which cannot be defermined.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong: and v. værishle.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument,	The reading of the Daroneter increased from 3004 in, at the beginning of the week to 3029 in, by 9h. P.m. on July 31st; decreased to 2979 in, by 3h. P.m. on August the 4th; increased to 2978 in, by 9h. P.M. on the 6th; and decreased to 2973 in, by the end of	
B.E.		Of the Earth	below the Surface.	0	65.35	62.29	22.29	62.86	66.11	86.99	65.74	17	sults ap	ction ba	from a 873 for leters.	d the neters, f	ues of terage te	r from a ling col	unnot be cord of ibols en	mbersi	ading o a, by 9h i to 29%	vi.
TEMPERATURE.		tion	Lowest on the Grass,	0.25	47.2	42.6	39.1	503	0.99	55.7	49.0	16	The re	no corre Observible eve-	thermometer, and deduced from a ending 1873 for thermometers.	combined the thermometers, i mean daily dew	laily val Theav	In reacher in reacher The va	which ce The re The syn	The nu	to 30.29 i	the week
TEM	Ö	Radiation	Highest in Sun's Rays.	0.0	145.5	144.1	147.2	142.0	142.8	141.3	143.1	15		1								
	Degree	Satu-	equals 100).	29	74	63	64	74	67	69	69	14	v2	with small Very warm.	ning; excep	slight excep-	Bright solar	its of cloud till Solar halo in	vith s ng the	y morning	A thunder-	
			Least.	3.6	0.5	9.0	1.8	5.3	3.5	2.2	2.1	13	TARK	ds. V	y mor light	with slig		t. Sol	fine v y durii	earl	rds.	
Difference between	and Dew Point	nperatu	Great-	0 24.5	16.8	24.2	21.4	17-7	17.0	50.6	20.4	12	L RED	.; ver	in early morning; very with slight exceptions	ess wi	İy elou	all am t nigh	ing; enerall n.	at the	iterwa	
Different the Air	and	19.7	Mean daily value.	0	8.6	13.1	12.7	9.8	6.6	10.2	9.01	=	GENERAL REMARKS	2b. A.M	l fog i	Cloudless out.	Partially cloudy.	ith sm	morn oud ge orenoo	ougho th sme	cast a	
	Of the Dew	point.	Mean daily Talue.	57.6	2.99	53.7	23.8	59.4	58.9	58.3	6.99	191	GE	Cloudy till 2h. A.M.; very fine with small nounts of cloud afterwards. Very warm,	y with	fine. rough		Very fine with small amounts of cloud till cening; overcast at night. Solar halo in renoon.	Overcast in morning; fine with small nounts of cloud generally during the day. slar halo in forencon.	y thr fine wi	; over t night	
IFE.		De	20 A 30	0 +		+ 4.6	+ 4.4	6.9 +	0.9 +	1.9 +	+ 5.3	6		Cloudy till 2h. A.M.; very fir amounts of cloud afterwards.	Cloudy with fog fine and cloudless afterwards.	Very fine. Clo- tions throughout,	Very fine.	Very fine with small amous evening; overeast at night, forenoon,	Overcast in morning; fine with small amounts of cloud generally during the day. Solar halo in forenoon.	Cloudy throughout the early hours: fine with small amounts of	evening; overcast afterwards, storm at night.	
LEMPERATO	Air.		Mean daily value.	08.89		8.99	2.99	0.89	68.5	0.69	67.5	000	Registered Sun above Sunshine Horizon, in hours.	15.5	15.4	15.4	15.3	15.2	15.2	1.91	Sum 107.1	88
TEMP	Of the Air.		Daily Range.	21.4	18.4	26.0	26.0	20.6	17.4	20.2	21.5	2	red Sun ine Ho rs. in								<u> </u>	-
			Low- est	8.09	2.99	53.5	52.1	29.0	29.8	59.1	57.3	9	Registe Sunshi in hou	14.2	11.5	12:1	10.1	12.0	6.6	6.6	Sum 79.7	28
			High- est.	82.2	74.9	79.5	78.1	9.62	77.5	79.8	78.8	5	of 3.)	1	out -	ut -	- mo	- tuc	ut -	F.M.;		
METER.	Mean	reading (cor-	and reduced to 32° Fahrenheit).	in. 30.115	30.284	30.204	29.662	29.830	29.800	29.811	30.001	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally	w. P. throughout	w. P. throughout	w. P. thrcughout	w. P. throughout	w. P. throughout	till 8h. 1 1 s. P. a.		27
	Phases	ofthe	Moon.	:	:	Greatest	: .	### :	:	:		3	ELEC (For ex symbol	w.P. g	w.P.t	w.P. t	W. P. t	w. P. t	w.P.t	w. P. till 8h. P.M.; s. N. and s. P. after-	wards.	
			A	30	31	-	6.1	က	4	2	1	u		98	31	7	07	ಣ	41	2		٠
000	1899.		MONTH AND DAY	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. JULY.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
		-							_										-			

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
By DARLING & SON, Ltd., 1-3, Great St. Thomas Apostle EQ

1899.

### OFFICIAL COPY.

## WEEKLY RETURN

#### LONDON DEATHS BIRTHS AND IN

AND IN

### THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 32. 1899. Vol. LX.] WEEK ENDING SATURDAY, AUGUST 12. [Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, August 14th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 24.3 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	endin	g					7 7	Veeks	endin	g
Towns.	July 22.	July 29.	Aug. 5.	Aug. 12.		Towns	s.		July 22.	July 29.	Aug.	Aug. 12.
33 Great Towns Birkenhead - Birmingham - Blackburn -	18.4 23.1 21.1 17.4	20.7 21.3 21.1 13.1	19.5	18·6 27·0	Li Lo	icester verpool indon - anchester		-	26·6 18·2	1		20·0 33·6 23·7 32·3
Bolton Bradford - Brighton - Bristol -	16·1 7·6	16·3 16·9 13·6	18·8 16·1 21·0	23·3 17·1	No No	ewcastle-corwich ottinghan dham	-	ne - -	14·3 19·2 15·2	15·2 20·9 17·3	28·1 16·3	
Burnley - Cardiff - Croydon - Derby -	13·5 12·7	11·5 13·9 16·2	12·7 12·7	19·4 19·2 21·1	Pr Pr Sa	ymouth ortsmouth eston llford - neffield	- - -	-	16·9 13·7 29·4	19·7 19·5 25·3	32·6 28·2 15·5 29·6 37·4	27·9 24·8 28·4
Gateshead - Halifax - Huddersfield- Hull - Leeds -	$\begin{vmatrix} 21.0 \\ 17.6 \\ 10.6 \\ 13.6 \\ 20.4 \end{vmatrix}$	15·5 13·1 18·7	12·7 15·5 19·2 18·3 24·5	16·0 13·6 21·4	St St W	nemera inderland vansea Test Ham Tolverham	-		12·5 14·1 14·6	17·2 13·6 25·2	18.6 21.1 27.4 20.5	17·5 17·6 28·7

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Oldham, 1.1 in Halifax, 1.2 in Liverpool, 2.6 in Sheffield, and 2.8 in Burnley; from whooping-cough, 1.0 in West Ham; from "fever," 1.2 in Wolverhampton; and from diarrhæa, 5.2 in Leeds, 5.3 in London and in Hull, 5.4 in Derby, 5.7 in Croydon, 5.8 in Bristol, 6.1 in Leicester, 6.4 in Norwich, 6.5 in Sheffield, 6.8 in Birmingham, 7.0 in Nottingham, 8.3 in Burnley, 8.4 in Manchester, 8.7 in Bolton, 9.3 in Liverpool, 9.8 in Plymouth, 10.4 in Portsmouth, 11.1 in West Ham, and 11.2 in Salford. In none of the thirty-three towns did the death-rate from "scarlet fever" reach 1.0 per 1000. The 71 deaths from diphtheria included 26 in London, 8 in West Ham, 8 in Sheffield, 6 in Leeds, 3 in Leicester, 3 in Salford, and 3 in Blackburn. One death from small-pox was registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2214 BIRTHS and 2068 DEATHS were registered. Allowing for increase of population, the births were 366 below, and the deaths 334

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained it including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7 added to the Cuter Ring, or to other areas to which they belong.

above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 18·2, 21·6, and 25·2 in the preceding three weeks, fell again last week to 23·7. During the four weeks ending on Saturday last the death-rate averaged 22·2 per 1000, being 2·1 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 2068 deaths included 54 from measles, 8 from scarlet fever, 26 from diphtheria, 16 from whooping-cough, 12 from enteric fever, 463 from diarrheea and dysentery, 21 from cholera and choleraic diarrheea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 600 deaths were referred to these diseases, being 183 above the

corrected average weekly number.

The deaths from measles, which had been 46, 56, and 60 in the preceding three weeks, fell again last week to 54, but were 9 above the corrected average; 10 cases belonged to Newington, 8 to Bermondsey, and 7 to Greenwich sanitary areas. The deaths from scarlet fever, which had been 8, 5, and 6 in the preceding three weeks, rose again last week to 8, but were 9 below the corrected average. The deaths from diphtheria, which had been 42, 35, and 44 in the preceding three weeks, fell again last week to 26, and were 17 below the corrected average; 4 cases belonged to Islington and 4 to St. George Southwark sanitary areas. The deaths from whooping-cough, which had been 20, 19, and 27 in the preceding three weeks, fell again last week to 16, and were 17 below the corrected average. The fatal cases of enteric fever, which had been 8, 13, and 13 in the preceding three weeks, were 12 last week, the corrected average being 9; 3 cases belonged to Islington and 2 to Greenwich sanitary areas. The deaths from diarrhaa, which had been 185, 350, and 477 in the preceding three weeks, fell again last week to 463, but were 203 above the corrected average. Of the 463 deaths from diarrhea, 446 were of children under 5 years of age; 225 more deaths t this age-group were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 149, 169, and 157 in the preceding three weeks, rose again last week to 163, but were 10 below the corrected average. The deaths attributed directly to influenza numbered 3, having been 11, 11 and 2 in the preceding three weeks.

Different forms of violence caused 72 deaths, concerning all but 7 of which inquests were held. Of these 72 deaths, 14 were cases of suicide, while the remaining 58 were attributed to accident or negligence. Nine of these were referred to vehicles in the streets, 10 to drowning, 12 to sunstroke, and 5 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2674 cases of scarlet fever, 1519 of diphtheria, and 183 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 227 cases, against 292, 307, and 297; of diphtheria, 148 cases, against 224, 265, and 216; and of enteric fever, 42 cases, against 23, 46, and 50.

GREATER LONDON.

In Greater London 3195 births and 2912 deaths were registered, corresponding to annual rates of 25.5 and 23.3 per 1000 of the estimated population. In the Outer Ring 8 deaths from measles, 1 from scarlet rever, 18 from diphtheria, 16 from whooping-cough, 3 from "fever," and 280 from diarrhœa were registered. Nine deaths from diphtheria and 107 from diarrhœa occurred in West Ham district; 44 deaths from diarrhœa occurred in Edmonton district, and 3 deaths from diphtheria in Bromley district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.95 inches, and that of the Thermometer 63°8; the latter being 1°3 above the week's average in the 50 years 1841–90. The direction of the wind was north easterly, the horizontal movement of the air being 17 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 54.9 hours; the measured rainfall amounted to 0.02 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagness is found after sojourn in the Hospital to have been erroneous.

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	CITIES	AND BOROUGHS.	Cols.	33 TOWNS.	LOWDON	WEST HAM	CROYDON.	BRIGHTON.	PORTSMOUTH.	BRISTOL,	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTINGHAM.	DERBY	BIRKENHEAD.	LIVERPOOL.	MANCHESTER	SALFORD.	Оприм.	BURNLEY.	BLACKBURN. PRESTON	HINDERSKIELD	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	GATESHEAD.	NEWCASTLE.
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ed	5 A		17.	24.3	7.66	1.86	19.3	23.3	6.77	17.1	19.4	9.21	19.4	27.0	23.9	20.0	28.1	21.1	18.6	33.6	32,00	28.4	21.8	26.3	24.8	13.6	16.0	20.1	e : 2	50.5	2.71	21.0	22.4
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d during			22	5320	2068		47	26 G	70	105	69	35	33	267	25	37	129	55	17	409	337	119	63	57	26	57	30	91	510	017	67	43	86
Registered during	12th Aug	BIRTHS, DEATHS.	2,1	5778	9914	138	70	90 00 00	47	141	08	47	21	283	27	107	129	cc	97	354 79	327	11.0	99	50 61	F2	35	54	105	012	147	18	65	141
	Portlation estimated	to the middle of the Year 1899.*	l.	00	4,546,752	300,241	127,759	180.741	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	T06,001	115,162	162.221	543,902	218,244	150,772	113,081	117,622	103,464	97.721	236,241	923,889	934 970	145,613	106,552	228,625
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	CITIES	AND BOBOUGHS,		33 TOWNS	LONDON -	WEST HAM -	CROYDON -	PORTSMOTTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	~	DERBY -	BIRKENHEAD	LIVERPOOL -	MANCHESTER	SALFORD -	OLDHAM -	BURNLEY -	PRESTON -	HUDDERSFIELD	HALIFAX -	ORD	Supergran	HILL -	RLAN	GATESHEAD -	NEWCASTLE -
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TABLE 2. LONDON .- Births and Deaths Registered in the THIRTY-SECOND Week of each of the Eleven Years, 1889-99.

TOTAL <b>Births</b> Males Females -	1889 2180 1129 1051	1890 2175 1098 1077	2721 1410 1311	1892 2755 1413 1342	1893 2320 1184 1136	1894 2200 1078 1122	2340 1216 1124	1896 2291 1145 1146	2728 1385 1343	2807 1391 1416	Corrected Weekly Average in 10 Years 1889-98.* 2579.5 1309.8 1269.7	1899 2214 1139 1075
TOTAL <b>Deaths</b> -  Males -  Females -	1366	1594	1627	1421	1617	1450	1601	1790	2246	1772	1734°3	2068
	710	833	849	730	822	747	870	972	1187	932	910°3	1130
	656	761	778	691	795	703	731	818	1059	840	824°0	938

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirty-second week of the ten years 1889-98, raised by 5.213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

+ 1	m H	OSPITA	LLS, 11	the.	Last 'I	HIRT	EEN	VEEK	8.				
100	May 20.	May 27.	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug.	Aug.
TOTAL Births -	2598	2306	2678	2445	2571	2422	2441	2484	2351	2444	2494	2577	2214
TOTAL Deaths	1419	1366	1483	1365	1316	1355	1297	1310	1387	1589	1881	2200	2063
$\begin{array}{c} \text{Ages at} \begin{cases} \text{Under 1 year } - \\ 1-5 \text{ years } - \\ 5-20 \text{ , , } - \\ 20-40 \text{ , , } - \\ 40-60 \text{ , , } - \\ 60-80 \text{ , , } - \\ 80 \text{ years and upward} \end{array}$	170 77 219 314 297	296 174 73 166 295 289 73	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough - Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery Cholera -	51 9 24 39 6 12	61 5 23 34 - 4 - 10	67 4 24 33 - 6 - 13	93 5 28 27 - 7	64 7 35 35 6 12	- 65 4 28 35 - 6	51 11 25 26 - 11 20	50 12 31 27 7 28	1 48 4 37 26 - 6 75	- 46 8 42 20 - 8 - 185	56 5 35 19 - 13 - 350 12	- 60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 - 463 21
All the above Diseases -	141	137	147	173	159	148	144	155	199	316	490	648	600
Dis. of Respiratory System – Phthisis – – – – – Dis. of Circulatory System – Violence – – Inquest Cases – – – Deaths in Public Institutions–	257 169 138 64 141 452	256 141 134 68 139 443	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	263 134 96 72 151 451
TEMPERATURE OF THE AIR.  Mean	54·4 62·7 48·3	49.5 57.1 43.2	58.4 70.8 43.6	61·1 73·3 49·1	56.3 69.3 45.1	60.7 69.7 53.7	62·3 73·1 53·8	62·3 71·9 54·3	66·2 77·7 56·9	70°2 83°2 57°9	64.8 75.4 55.3	67.5 78.8 57.3	63·8 74·6 55·7
Humidity of the Air	75	78	60	64	67	73	68	71	67	58	67	69	73
Rain-fall (in inches)	0.97	0.66	0.00	0.00	0.00	0.51	0.74	0.13	0.09	0.06	0.97	0.09	0.03
Registered Sunshine (in hours)	33.9	29.3	95.9	72.1	68.0	26.2	43.9	31.4	49.4	71.0	63.6	79.7	54.9
CASES OF INFEC	rious s	SICKNI	ess in	Hosp	ITALS*	AT T	1	D OF	EACH	WEEL	ζ,		
Small-pox	2161 1066 99	$\begin{bmatrix} 1 \\ 2201 \\ 1111 \\ 102 \end{bmatrix}$			$\begin{bmatrix} 1 \\ 2280 \\ 1170 \\ 98 \end{bmatrix}$	2367 1230 109	$\begin{array}{c c} 2 \\ 2430 \\ 1280 \\ 105 \end{array}$	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. 'reston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Eqq., Sristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. O.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Prestor; A. Johnson, Esq., M.Inst. O.E., Bradford; and Mr. E. Peak, Hull

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4.

			ľ	HIE	RTY	-Si	ECO:	ND	.We	eek of the Year 1899.	· 1			ķį .					
	the	Sa	In t	the W	eek	end ugus	ing st 189	9.			years	Sa	In	the	Wee 2th	k en Aug	ding ust 18	399.	
	ев for he 10 *.	7-23	Dea	ths o	f Pe		Bof				res for he 10 i*.		Des	aths	of F	erso ges	nsof		
JSESOF DEATH	d Averages 7eek of the 1889-98*.			nder 20,		er 40.	er 60.	er 80.	and	CAUSES OF DEATH	Averages k of the 1889-98*,	°s.		nder 20.		ler 40.	ler 60.	ler 80.	snd.
	Corrected 32nd Wee	ALL AGES	1	6.	5-20.	and under 40	40 and under 60.	and und	years		Corrected 32nd Week	ALL AGES	0-1.	1-5.	5-20.	20 and under 40	40 and under 60		years
USES	3 등 1734·3	2068	I 1015	-	1		- 1		<u></u>	D: 1 00 17-1-1-11	ටිමි 114·3	96	3	1		12	38	33	9g   - 5
Vaccinated† Unvaccinated No Statement Fever	0.5 0.7 0.3 44.6 16.9 0.2 - 4.6 33.2 42.7	54 8 - 3 16 26	- - - - 13 1 - - - 4 1	37 4 - 12 19	- 43 6					Croup	3°1 81°5 67°9 4°0 16°8	1 63 78 5 16	 	- 8 8 - 4 - 2 - 6	1 7	1 10 2 -	-6 17 2 5 	25 16 - 3	4 2
offined Fever - Seffined  0.5 8.8 8.1 260.4 0.2 0.1	12 21 463 -	- 16 400 -	2 46 -	4	5	315-	- 10 - -	2	Enteritis	77:4 { 6:6 26:2 34:5	49 238 1 31 31	196 - 2 12 		1 1	3 6 3	5 16 7	6 5	1 -	
ox and Effects of ination	0°1 0°2 12°1 4°3 1°7	-   11   3   4	7 1 2		2	1	- 31	- 1		Diseases of Lymphatic ) System & of Ductless ) Glands	2.5	1	-	-			-	1	-
ral Fever Zymotic Diseases	4·1 2·1	2	1	1	-,	4	-	-	-	Diseases of Urinary System	44.6	29	1	1	1	2	14	10 	
sand other Para-	1·2 0·5	1 -	1	-	-	-	-	7-	-	Diseases of Generative } System } Accidents of Childbirth-	5°4 5°4	5 4 ——	-			3	- 1 	1 	; - - -
									-	Diseases of Locomotive }	4.9	2	-	-	1		-	1	-
tion, Want of st-milk Solism	2 <sup>0</sup> 11 <sup>2</sup>	2 16	1	1	-	6	9	1	-	Diseases of Integumen- tary System-	5.3	7	1	2	-	-		1	3
natic Fever, umatism of Heart latism	6'4 1'8 3'5 5'9 73'5 40'4 30'1 147'7 22'1 11'3	5 1 1 9 73 30 32 134 18 14	- 7 11 23 11	15	1 1 3 11	4 	1 - 34 - 1 62 - 6	- 1 1 29 - 6 1 6		VIOLENT DEATHS:  (ACCIDENT.)  By Railways	53.6	2 9 1 - 2	1	2	2	1 2 1	3 -	1	
ture Birth tasis	49·3 3·9 8·8 40·1	67 1 9 46	66	-	1	1 -	-	26	-	By Poisons or Poisonous Vapours Other or not stated		10 5 3 26	5 - 9	1	7 - 2	1 10 -	1 3 	-	-
exy	36.6 5.2 46.6 83.1	40 4 38 71	85	3 -	1	-	-	-	-	ACCIDENTAL).	1.7 8.6 —	14	1 1 1	-	-		2		1
ses of Organs of hial Sense   -	}	5	2	1	1 2		-		-	OTHER CAUSES	80.0	86	8.	1 3	-	-	1		-
10 numbows in this			4	-	-		ná cum		STREET TO STREET	for the ten wears 1889_98 rais	od by 5:	912 n	or.	(+(-))	t f	or i	ner	20.9	44

te numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase oulation, ily those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered at men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ent, murder, manslaughter or suicide. All such causes are classed under "accident".

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME. SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in TABLE 5.

							The	DEAT	HS re	gister	ed du	ring	the W	eeki	nolud		
· ·	Enume-			Dea	thsof					Death	s fro	m				1	-
REGISTRATION SUB-DISTRICTS,	rated Population, 1896.	Tota BIRTHS,	Total DEATES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Stall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhœs.	Violence.	Inquest Cases.	
LONDON -	4,411,710	2,214	2,068	1015	285		54	8	26	16	_	12	_	463	72	151	4
WEST DISTRICTS	778,251 1,040,694 233,635 716,334 1,642,796	324 518 120 414 838		163 221 58 183 390	48 56 14 53 104	11111	4 5 1 7 37	3 - 5	4 8 - 2 12	2 4 1 6 3	11111	1 3 7 -		74 108 18 90 173	11 15 8 12 26	19 27 11 43 50	1
WEST DISTRICTS.  St. Mary Paddington G. & W. WHH St. John Paddington H G.	90,996 33,510	45	38	26 1	2	-	-	-	. 1 1			-	-	13 1	- 2	- 3	
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	57 11	58 <b>1</b> 2	24 3	8 6	-	1 -	-	- , -	1 -	-	-	-	17	2	1 2	Ì
North Hammersmith $\dagger H$ South Hammersmith $\dagger H$ W. & G Fulham $Ww$ W. & C.	44,638 59,561 113,781	22 23 76	14 38 61	9 ·19 37	1 8 5	111	- 2		- - 2	1 -	111	- - 1		3 8 19	- 2 2	3 3	-
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	$\frac{11}{14}$	8 15 24	7 3 13	1 3 5		1.1		1 1 1	-	1 1 1			3 1 2	ī	3	
	23,827 56,140 31,492 22,097	15 10 8	8 20 9 9	2 7 8 2	3 2 1 1	1111	- 1 -	1111	2 -	- 1 - 1	1111			222	1 1 - -	1 1 -	-
	23,050 12,048	6 2	5 1	1 1	1 -	- -,	-	-	-		-	-	-	1 -	-	-	-
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	8 8 27 23 14	20 5 8 12 13	8 - 5 7 10	4 1 - 2 -	1 1 1 1 1	-			- 1 -				3 - 3 33	- - 1	- - 1	
Hampstead WWHHHH	75,449	22	28	11	6	-	-	1	2	-	-	1	-	6	1	-	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	13 10 12 8 11 57	6 10 14 18 12 40	2 5 9 8 1 21	1 2 2 6	-	- - 1 -	-						1 5 3 6 1 10	1	1 1 1	.
$ \begin{array}{c c} \textbf{Upper Holloway} &  & - & - & \textbf{N}. \\ \hline \textbf{WWWwHH} &  & - & \textbf{N}. \\ \hline \textbf{Islington South-west} & \textbf{H} & - & \textbf{N}. \\ \hline \textbf{Islington South-east} & - & \textbf{N}. \\ \hline \textbf{Highbury} &  & \textbf{H} & - & - & \textbf{N}. \\ \end{array} $	98,273 107,365 66,549 64,577	49 60 38 33	54 55 24 17	17 41 10 9	9 1 4 5		4 -	1		1 -	-	1		5 20 2 1	3 2 1 1	5 5 2 1	
Stoke Newington $H - N$ . North Hackney $- E$ , & N. Central Hackney $ww - E$ , & N. South-west Hackney $HHH$ , E, & N. South-east Hackney $WwH$ , E, & N.	33,485	$   \left\{     \begin{array}{c}       19 \\       26 \\       23 \\       31 \\       26   \end{array}   \right. $	12 10 31 27 34	7 5 15 10 20	3 2 2 - 4			- 1 -	6 -	-		- 1 -		4 3 10 7 12	1 1 2 -	2 1 1 4 2	

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District that that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which pauper received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N Biver; E. East London; and K. the Kent Company.

\* See note † on first page of this Return.
† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, an re-named North Hammersmith and South Hammersmith, respectively.

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SCARLET FRUER, DIPHTHERIA, WHOOPING-COUGH. FRUER, DIABRHGA, VIOLENCE, &c., registered in each SGB-DISTRICT during the Week ending Saturday, 12th August, 1899—continued.

SUB-DISTRICT during the We	ek ending	Satu	raay,	12th	Au	gust	, 18	99-	-con	tinu	ea.							,
							The	DEA	THST	egist	ered d	lurin	g the	Week	inolt	de		
	Enume-			Deat					I	eath	fron	n '					ution	of
REGISTRATION SUE-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Smarl-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa.	Violence	InquestCases	Deaths in Public Institution	Uncertified Causes Death.
CENTRAL DISTRICTS.  George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	2 14 2	4 7 3	4 4	- 1 1	1 1 1		-		111	111	1 - 1		21	2	- 2	31	F-3-1
Martin-in-the-Fields HHN. & C. and WHH N. and Union Workhouse, Edmonton	13,077 11,839 +1,037	45	4 4 1	1 2 1	1 -	-	1 1 1	-						ī	- -	2 -	3 1 1	111
Iborn wHHHHHHH - N. James Clerkenwell - N. awell Clerkenwell - N. swell-street - N. y-road HHHL - N. hitecross-street - N. hiborn Union Workhouse, litcham - S	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	16 6 17 10 35 3	18 5 10 6 17 4 2	9 3 7 6 10 3 1	211		1 -	1 1 1 1 1 1	111111	- - 1	-	1111111	1111111	1 1 2 4 4 1 1	1	1 - 1	13	1 1 1 1 1 1 1 1
Botolph $H$ N. & E. ipplegate N. & E. Sepulchre $WH$ N. ihaliows Barking N. oad Street $H$ N. by of London Asylum, Stone	6,870 3,299 9,591 9,059 2,892 †388	2 1 1 -	3 2 15 5 2 -	2 2 1 -	- 5 1 1	-			11111	111111	111111	1111	11111	111111	31	1 1 1	12	11111
EAST DISTRICTS.  to reditch South $Hl$ - E. & N. bxton New Town $w$ - N. bxton Old Town N. aggerston $WH$ N. & E.	17,975 29,575 27,645 47,163	10 18 18 33	6 11 10 24	4 2 6 14	- 32		1 1 1		- - 1	, 1111	1.8.1.1	1111	-	4265		1 - 5	22 - 2	1.11.1
othnal Green North $H$ - Esthnal Green South - Esthnal Green East $WHl$ - E.	49,301 34,194 45,667	28 21 21	22 11 31	13 4 13	3 1 8		1 -	-	-	1 -		-		4 3 5	1 1 1	3 2 2	14	-
oitalfields E. & N. ile End New Town* WH - E. oodman's Fields* E.	26,681 51,995 {	16 19 8	7 33 10	5 8 7	1 5 1		-	-	-	ī 1	-	1	-	3 - 2	1 -	7	29	
t.George's North E. t.John, St.George East W E.	<b>39,</b> 576 <b>7,</b> 930	27 3	19 14	9 3	1 2	Ξ	2	-	-	-	-	-	-	3 -	ī	2 2	8	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	14,954	6 7 15	15 9 18	13 5 9	2 3	- - -,	1 1	-		-	-		-	6 4 6	- 1	1 3	9 -	
$\{ egin{array}{ll}  ext{End Old Town West} & H & E. \\  ext{Gle End Old Town East} \\  ext{W} Www & & & & & & & & & & & & & & & & & &$	} 111,060	{ 29 28	17 17	10 9	2 5	-	1 -	-	-	2 -	-	-	-	8	1 -	2 -	3	-
ow l E. romley wwwH E. oplar WW E.	69,821	21 55 31	12 50 33	8 24 17	2 8 4		1 -		- 1	1 1			-	6 10 11	- 6 1	1 8 4	1 12 1	1 + 1

<sup>†</sup> Population in 1891, not included in the total population of the Central Districts or of London.

\* Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox, Measi Scarlet Fever, Diphtheria, Whooping-Cough, Fever, Diarrhea, Violence, &c., registered in each Sub-District during the Week ending Saturday, 12th August, 1899—continued.

	SUB-DISTRICT during the We	ek endin	g Satu	raay,	1201	AU	g as											
1								The	DEAT		-		ring t	he W	ekin	clud	3	20 1
		Enume-			-	hsof	2,			I	eath	fron		1 ==				Deaths in Public Institutions
-	REGISTRATION SUB-DISTRICTS	Popu-			1 Year	Personsaged 60 Years and upwards.	1,				, de		Typhoid)	Continued				cInsti
		lation,	TotalBIRTHS	Total DEATHS	nder	ged 60	, H		ever.	ia	Whooping-cough.		or Ty	Con			ases.	Publi
		1000.	talBi	tal DE	Infants under of Age.	sons a	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	uidoo	Typhus.	Enteric (or 'Fever,	Simple Fever.	Diarrhœa	Violence	Inquest Cases.	thein
City Commercial			Fo	Tot	Ini	Per	Sm	Me	Sca	Dip	M A	Ty	E	Sin	Dis	Į į	Ing	Dea
	SOUTH DISTRICTS.	13,064	9	- 3	1		_	1		_					2	_	_	
	Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L.	12,301 22,879	$\begin{bmatrix} 2\\2\\11 \end{bmatrix}$	13	7	2	_	-		-	-	-	-			-	2	-
the land has been	Borough-road WH - S.&L. London-road HL L.&S.	16,083 21,316	10 10	110	9 7 11		-1	2 2 8	-	-	7 1	1 1	-	-	வம்கையம	1	2 1 2 2	3
	Trinity Newington - S. & L. St. Peter Walworth W - S. & I. St. Mary Newington - L. & S.	28,723 62,045 30,171	9 32 14	19 36 18	18	$\frac{1}{2}$	-	8		1	-	P -	i		35	1 1	2	2 -
				7.77		0		-					- 1		,	7		70
	St. Olave $WH S$ . Bermondsey $W S$ . Rotherhithe $WwH - S$ . & K.	11,731 85,475 40,379	55 9	17 44 11	5 31 5	$\frac{2}{1}$	-	7	_	-	-	-	- 1	-	7 4	1	2 2 -	13
1.7														-				
	Waterloo-road $HH$ - L. & S. Lambeth Church 1st $H$ - L. & S. Lambeth Church 2nd $WW$ L. & S.	28,396 18,770 40,994	25 4 16	18 18	6 2 17	2 6	-	-		-	-	-	-	-	1 8 7	3 1 2	3 3	10 9
	Kennington 1st $H - S. \& L.$ Kennington 2nd - S. & L.	52,486 43,244	33 21	31 23 16	17 12 7 15	1	_	ī	1	-	-	-	-	-	7	- 1	4	-
	Brixton w L. & S. Norwood WH L.	81,825 29,318	36 14	28 8	4	3 1	-	-	-	3	1	-	1	-	4 5 3	1	1	4 2
	East Battersea S.	.71,730	32	27	14	3	_	_	_	_	-	_	_	_	7 6	-	1 6	_
	West Battersea $WwH S$ . Clapham $H S$ . Wandsworth $WHHL S$ .	93,385 46,953	20	48 17	24 9 14	8	-	1	-	-	7.7.1	-	1	-	5	2 - 1	- 1	18
	Wandsworth $WHHL$ S. Putney S. Streatham $WwwwL$ L.	58,101 20,566 61,644	30 10 32	26 11 18	6	$\frac{6}{1}$	-	-	-	1 -	- 1	-	-	-	8 3 4	1	227	1
	: :																	
	Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K.	7,519 90,286 88,242	1 44 46	58 29	13 20 12	16 5	-	2	-		ī	-	-		10 8	3	6	28 1
	St. George Camberwell - L. & S.	67,029	47	29 24	12	3	-	2		-	! -	-	-	-	8 7	-		-
	Deptford North K. Deptford Central w K.	36,152 45,441	· 27	22 34	15 20	1 4	-	3 4	1	-	-	-	-	-	5	1	1	-
-	Deptford South K. Greenwich West H K.	33,402 23,012	11	- 9 8	4 4	225	-	-	_	-		~	1	-	2 4	1	1	-
	Greenwich East WH K.	37,767	. 22	29	11	5	-	-	-	-		-	-	-	6	4	3	13
	Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K.	5,911 24,222	10	1 5	2	1	-	1	-	-	-	-	-	-	1 -	-	-	-
	Lewisham $WwH \overline{K}$ . Sydenham $H \overline{L}$ .	38,139 37,601	27 18	25 11	16 3	51.83	-	1	1	3 -	-,	-	-	-	$\frac{6}{1}$	-		13
	Charlton wHH K.	15,928	8	15	8	1 2	_	_	2	3	_		_	_	2	1	-	5
	Woolwich Dockyard - K. Woolwich Arsenal HHHH - K. Plumstead West H - K.	19,355 21,959	9	6 10	1 5 3 7	2 1	-	1	1 1		-	-	-		2	1	-	-
	Plumstead West $H$ - $\overline{K}$ . Plumstead East $WH$ - $\overline{K}$ .	16,714 42,538	29	6 17	7	4	-	-	-	-	-	-	-	-	4	1	2	4
	Banstead Asylum London County Lunatic Asylum,		-	1	-	1	-	***	-	-		Pris		-	-	-	-	1
	Horton j Caterham Asylum		-	1	-	-	- 1	-	-	-	-	-	-	-	-	-	-	1
-	Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum	_	-	7	-	3 -	-	-	-	-	-	-	-	-	-	-	-	7
	London County Asylum, Dartford	_	-	1 4	-	-	-	-	-	-	-	-	-	-	1	-	1	1 4
	Hanwell Asylum Colney Hatch Asylum	_	-	5 6		2	-	-	-	-	-	-	-	-	-	-	-	5 6
	N.E. Hospital Winchmore Hill Hospital Leavesden Asylum		-	1 - 3	-	- 1	-	-	-	-	-	-	-	-	-	-	-	-
	Claybury Asylum		-	5	-	2	-	- 1	-	-	-		-	-	1	- 1	-	5

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUS), HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week anding Saturday, 12th August, 1899.

	The DEATHS registered in the Week include  REGISTRATION Area rated in Populations. Sub-Districts.  Area rated in Populations.  Registration and the state of the														inclu	de		
						Deat	hsof	THO	DBA					11 0011	1		1	
		in-	rated Popu- lation,	BIRTHS.	DEATHS.	-	60 dB.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhœa.	Violence.	Inquest Cases.		Uncertified Causes of Death.
N	IDON-OUTER RING -	368,749	1,422,063	981	844	485	116		8	1	18	16.	3	280	20	44	68	9
	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	15 6	9	7	4	-	-	-		-	-	$\frac{4}{1}$	-	-	2	-
	Godstone, part of* W -	2,754	1,598	~	-	-		-	-	-	-	-	-	-	-	-	-	٦
I	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	68 5	65 7	34 3	12	-	-	-	-	1 -	-	16 1	1 -	4	14	-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$ \begin{cases} 25,777 \\ 33,566 \\ 12,178 \\ 11,080 \\ 18,252 \end{cases} $	24 17 4 7 13	17 11 1 5 6	8 2 - 1	4 3 - 1 3		-		1		1	2 1 - 1	- 1 -	1 1 1	5	
	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	7 6	12 1	3	3 -	-	-	-	-	-	-	-	-	2 -	4	-
1	Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	17 9 14	10 12 9	4 6 2	2 2 2	-		-	3 -	ī -	1 1 1	2 4 -	1	3	3 1 -	-
	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	19	24	17	2 -	-	-	_	1 -	-	_	8 -	1 -	1	-	1
	Sunbury w Staines WH	11,054 13,277	13,671 13,221	11 7	11 13	8 3	4	-	2		` - ·	-	-	7	1 -	1 -	4	1 -
	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	9 7 6	7 2 10	3 1 6	2 1 2	1 1 1	- 1 1		-	111	-	2 - 3	1 - 2	- 2		1 -
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	19 12 10 12 30	13 6 19 11 22	3 1 8 8 8 15	10 1 3 2 2	1111	- - - 1	11111	- - 1	1	1111	6 3 9 5 6	1	1	2	1 -
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	11 3 68 12	8 3 52 14	5 2 41 11	1 2 1		- 1 -	- - 1		3	1	3 1 20 7	1 1 1 1	ĩ	1 3	1 - 1 -
	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	5 14	74	- -	4 3	- - -	-	, <u>-</u>	-	-	-	-	- 1	1	4 -	1 -
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	43 64 27 14 8 7	15 68 21 18 1 2	8 46 14 11 1	2 7 1 2 -	1,1111	1		1 1	11111		3 21 9 10 1	1	822-	4	1
1	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331 —	582 7,737	6 -	1	-	1 -	- 		-	-	-	-	-	-	-	-	-
100000000000000000000000000000000000000	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,266 4,334 6,501	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330	24 43 38 33 60 60 53	32 54 52 23 47 51 25	23 29 33 15 34 27 18	4 4 2 2 1 7 1	111111	1 - 1		1 3 2 1 1	2	1	20 15 24 5 18 18 7 3	1 3 - 1 - 1	2 -4 -2 2 2	44 - 6 - 1	
	Chigwell, part of * HHHH Epping WH, part of *	11,779	12,941	10	7	2 -	2	-	-	_	-	-	-	-	-	-	-	-
	Romford, part of * WH - Ilford	6,556 8,493 3,814	4,324 10,913 14,301	12 12	11 11 13	1 7 11	2	-	-	-	-	-	-	6 7	-	-	-	
	Middlesex County Asylum, Wandsworth. Brook Hospital, Charlton			-	4	-	2	-	-	-	1	-	-	-		-	1	
				,														

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring s follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 3: 3: 5, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst listrict, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst listrict, except the parish of Esher (pop. 3,097); 135: 1, the parish of Northaw in listrict, except the parish of Theydon Bois and part of the parish of Epping 1079), 138: 1, the parish of Daganham; in Romford sub-district; also deaths; in Worthouses and Hospitals for

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 12th August, 1899.

			ANNUA	L RATE		1	The DI	CATH	S reg	istere	l in th	ie We	ek inc	lude	
GREATER	Area	Population estimated in the	of Mon per 100	TALITY 0 living.	DEATHS	Dea	ths of				Death	as fro	m		
LONDON.	Acres.	middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	23:3	7.2	2912	1500	401	_	62	9	44	32	15	743	92
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	23.7	6°6 8°6	2068 844	1015 485	285 116	-	54	8	26 18	16 16		463 280	72 20

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

	1			in certain	POREIGN	CITIES.							
	POPULATION	ת	ATE			ANNUAL	13	CATHS	FRO	M PRI		L Z	MC
CITIES.	(enumerated or	1	ETURN.	BIRTHS.	DEATHS.	DEATH-		38.	et.	ria.	ng-		
	estimated).	Week	ending	Exclusive	of Stillborn		11-11	Measles,	Scarlet Fever	the	opi	Fever.	
						living.	Small-pox.	Me	Se	Diphtheria	Whooping-	F	
EDINBURGH -	298,927	Aug.	12	161	104	70.7	1	i i	1	1 -		Ī	1
GLASGOW	733,903	nug.	12	479	278	18 <b>·1</b> 19·8		1	2	1	2		3
DUBLIN	349,594	97	12	205	214	31.9	-	12	3	1 2	4 3		3
CALCUTTA	466,460	July	- 1	1	1		-		-	1	9	1 8	
BOMBAY	821,764	21	18	168	191	21.3	-	10	-	. 2	-	57	4
MADRAS	452,518	June	30	312	261	29.9	5	16	. ?	. 19	9	86	
PARIS	2,511,629	Aug.	. 5	1195	1114		1					60	1
BRUSSELS	551,011	nug.	5	268	168	23·0 15·5	_	22	5	10*	3	31	
AMSTERDAM -	517.595	July	. 29	288					1	-	1	2	
ROTTERDAM -	315,305		29	184	156 112	15.7	-	-		-	. 1	3	1 -
THE HAGUE -	199,285	99	29	106	70	18 <sup>.</sup> 5	-			3	1	2	
COPENHAGEN -	345,000	Aug.	5	192			-	_	-	1			1
STOCKHOLM -	291,580	July	29	192	116	17.5	-	. 1	1	3	1	- 1	
CHRISTIANIA -	221,073	Aug.	5	212	95	20·9 21·9	-	-	1	4*	1	-	1.
ST. PETERSBURG	1,132,677	July	29	572			-	-	1	-		-	1.
Moscow	988,610		29	9/2	636	29.3	-	16	11	17	. 5	17	1
BERLIN	1,818,517	"			790	41.7	-	5	4	4	1	3	1 4
HAMBURG	675,351	Aug.	22	941	678	19.4		12	13	8	12	2	. :
DRESDEN	394,300	July	15	244	284	21.9	-	,***		3*	5	1	1
BRESLAU	406,012	Aug.	5	.244	144 241	190	-	-	- 1	3*	3	••	
MUNICH	445,000	July	29	323	204	31·0 23·8		1	4	1	-	-	
VIENNA	1,623,134	Aug.	5	870						3*	3		
PRAGUE	384,622	nug.	5	213	611	19°6 24°3	-	8	4	3*	2	-	3
BUDA-PESTH -	666,722	July	29	443	296	23.1	_	2	. 4	3	2	1	
TRIESTE	166,599	37	22	86	76	23.7	_		9	1*	1	4	
ROME	505,850	33	15	193	159	16.4			-	1.		-	
TURIN (10 days)	344,203	June	30	212	158	16.8	_	2	-		-	-65	
VENICE	171,023	July	29	66	76	23.2				1	~	1 2	
CAIRO	570,062	-	_	-						1-		2	
ALEXANDRIA -	319,766	-	-	-					-	-	-	-	
NEW YORK										-	-	-	
(including BROOKLYN)	3,550,053	July	15	-	-	_	-	_	_11		_ ]		
PHILADELPHIA -	1,266,832	99	22	_	510	21:0			2	75			
						210	1		4	15	6	3	8

Including deaths from croup.
Including 4 deaths from plague in Calcutta and 53 in Bombay.
Including 4 deaths from cholera.
Including 3 deaths from cholera.
Including 3 deaths from cholera.

							М	ete	orol	ogica	ıl	0
	Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	
in a	whose	surfaceis 5 inches above the Ground.	in 0.05	0.00	0.00	0.00	00.0	0.00	0.00	Sum 0.05	25	
		Depar- ture from Average of 16 Years.	Miles.	-117	+ 38	+ 11	- 31	- 64	- 39	Sum - 299	24	
	Rotinson's.	Horizontal Movement of the Air on each Day.	Miles.	142	297	569	225	189	210	Sum 1493	23	
	the t.	Mean of 24 hourly obs.	1bs. 0.0	0.0	0.5	0.5	1.0	0.1	0.1	:	22	
I	Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	:
	Pres	Great-	lbs.	0.5	5.3	25	1.4	2.4	0.7	:	20	
Osler's.	Direction.	P.M.	ESE.	ESE, & E.	NE.&NNE.	E. ESE.	E, ESE.	NE. & E.	ENE, ESE.	& E.	18	
	General Direction.	A.M.	ENE. &	ESE. E. & ENE.	NE.	N. & NE.	NE.&ENE.	NE.	NE.	NE.	18	
	Of the Earth	3 feet below the Surface.	66.48	92.99	66.25	66.41	66.35	66.11	26.29	66.34	17	
	tion	Lowest on the Grass.	2.69	51.1	54.9	48.8	43.2	37-2	49.2	48.5	16	
Ċ	Radiation	Highest in Sun's Rays.	112.1	115.2	142.4	141.9	151.0	144.7	146.5	136.3	15	-
Degree	midity (Satu-	ration equals 100),	06	81	64	02	29	69	20	73	14	
		Least.	0.2	6.0	3.4	3.5	1.8	2.8	8.0	2.0	13	
the Air Temperature and Dew Point	Temperature.	Great- est.	8.8	6.01	22.3	21.8	20.5	22.4	20.6	18:1	12	
the Air	Ter	Mean daily value.	3.1	5.6	12.4	101	11.3	10.3	8.6	0.6	11	
Of the	point.	Mean daily value.	63.1	28.0	51.9	53.8	52.7	51.5	53-2	54.8	10	
		De- from Average of 50 years.	9:8	+ 1.4	+ 1.8	+ 1:4	c.1 +	- 1.0	2.0 +	+ 1.3	6	
		Mean daily value.	0 66-2	63.6	64.3	63.6	64.0	61.5	63.0	63.8	00	Joseph
Of the Air	7 1119 70	Daily Mean Range, value.	0 11:9	9.11	17.7	20.6	23.9	23.6	22.9	18.9	2	rod   Sm
		High- Low-	61.9	59.4	57.3	55.4	52.5	51.5	52.2	25-7	9	Rowistored   Sun above
		High-	73.8	71.0	750	0.92	76.4	74.8	75.1	74.6	2	
Mean	reading	rected and re- duced to 32° Fahren- heit).	in. 29.816	29-839	29.831	29.909	30.035	30.107	30.091	29-947	4	Eraceptoney
i	Phases	Moon.	New	Apogee	:	In	rd nator	:	: .		က	ELE
		A	9	-	∞	6	10	11	113	1	- uı	-
1899.		MONTH AND DAY	AUGUST	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	TAME

The height of the cistern of the barometer is 159 feet above the mean level of the sea; no correction has been applied to the readings to reduce to sea level. The results apply to the civil day, or from midnight to midnight.

GENERAL REMARKS.

Horizon, in hours.

Sunshine in hours.

(For explanation of symbols, see Note,)

AUGUST.

w. P. throughout w. P. threughout

9 [~

throughout.

Generally cloudy

15.0 15.0 14.8

6.0 0.2 9.8

> w. P. throughout w. P. throughout

8 5

TUESDAY MONDAY SUNDAY

ı

WEDNESDAY

shower at noon.

fterwards with few light clouds.

the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the With the corrected mean reading of the dry bulb thermometer is thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean Theaverage temperature of the air is that derived from a discussion of the observations combined the corrected mean of the readings of the maximum and minimum daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. made at Greenwich during the 50 years ending 1890, and that of horizontal movement Observations are usually taken at 9h. A.M.; noon; 3h. P.M., and 9h. P.M. thermometers. Overcast and showery till afternoon; fine Overcast in morning; fine and partially cloudy till evening; generally overcast at Overcast generally in morning; fine, with diminishing amounts of cloud till evening;

- "lower," than the average. The values given in column 17 are not corrected for the indexerror of the thermometer, In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and of the air from a discussion of the anemometric records for the 16 years ending 1875.

A few light clouds prevailed during the day; cloudless at other times. A very

14.8

12.9

w. P. generally

THURSDAY-

cloudless at night.

A very fine day. was usually small.

14.8

w. P., increasing to m. P.

SATURDAY -

Sum 104.5

Sum 54.9

29

28

ij

No. of Col. -

times.

14.8

10.1

m. P. in morning;

FRIDAY

w. P. afterwards.

which cannot be determined.

The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are;-P. positive; N. negative; w. weak; m. moderate The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, s. strong; and v. variable. A fine day; cloudless in morning and at night; variable amounts of cloud at other The amount of cloud

show the aggregate duration of bright sunshine on each day.

The reading of the barometer increased from 2973 in. at the beginning of the week to 3012 in. by 9h. A.M. on the 11th; decreased to 3008 in. by 3h. P.M. on the 12th; and was 3009 in. at the end of the week.

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1899.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office. AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.O.

No. 33. 1899. Vol. LX.] WEEK ENDING SATURDAY, AUGUST 19. [Price 13d.

General Register Office, Somerset House, August 21st, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 25.7 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Weeks ending
Towns.	July 29.	Aug. 5.	Aug. 12.	Aug. 19.	Towns. July Aug. Aug. Au 19
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax -	21·3 21·1 13·1 17·4 16·3 16·9 13·6 18·4 11·5 13·9 16·2 13·7 15·5	19·5 24·6 13·9 18·0 18·8 16·1 21·0 30·0 16·3 12·7 12·7 12·7 15·5	14·7 19·6 20·1 23·3 17·1 26·3 19·4 19·2 21·1 21·0 16·0	22·2 30·0 16·2 20·6 19·4 33·9 24·0 38·3 23·6 20·8 20·1 12·8	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Huddersfield- Hull Leeds	18.7	$\begin{vmatrix} 19.2 \\ 18.3 \\ 24.5 \end{vmatrix}$	13·6 21·4 21·3	13.6 24.7 22.6	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Birmingham and in Salford, 1.3 in Sheffield, and 3.7 in Burnley; from scarlet fever, 1.8 in Burnley; from whooping-cough, 1:0 in Plymouth and in Leicester, and 1:4 in Burnley; and from diarrhæa, 5·1 in Cardiff, 5·2 in Leeds, 5·4 in Derby, 5·5 in London and in Burnley, 5·7 in Croydon, 5·9 in Oldham, 7·3 in Hull, 7·4 in Sheffield, 7·8 in Leicester, 8.4 in Preston, 8.5 in Liverpool, 8.9 in West Ham, 9.3 in Bristol, 9.6 in Nottingham, 9.8 in Manchester, 10.0 in Wolverhampton, 11.3 in Birmingham, 12·2 in Salford, 12·7 in Brighton, and 13·1 in Portramouth. In none of the thirty-three towns did the death-rate from "fever" reach 1·0 per 1000. The 67 deaths from diphtheria included 33 in London, 10 in Sheffield, and 3 in Leicester. Three deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

### LONDON.

In London† 2671 BIRTHS and 2208 DEATHS were registered. for increase of population, the births were 33 below, and the deaths 473

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained † Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7 added to the Outer Ring, or to other areas to which they belong.

above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 21.6, 25.2, and 23.7, in the preceding three weeks, rose again last week to 25.3. During the four weeks ending on Saturday last the death-rate averaged 24.0 per 1000, being 3.9 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 2208 deaths included 48 from measles, 8 from scarlet fever, 33 from diphtheria, 28 from whooping-cough, 11 from enteric fever, 481 from diarrhea and dysentery, 16 from cholera and choleraic diarrhea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 625 deaths were referred to these diseases, being 214 above the

corrected average weekly number.

The deaths from measles, which had been 56, 60, and 54 in the preceding three weeks, further fell last week to 48, but were 6 above the corrected average; 5 cases belonged to Bermondsey, 4 to Newington, 4 to Lambeth, 4 to Greenwich, 4 to Islington, and 4 to Poplar sanitary areas. The deaths from scarlet fever, which had been 5, 6, and 8 in the preceding three weeks, were again 8 last week, the corrected average being 24. The deaths from diphtheria, which had been 35, 44, and 26 in the preceding three weeks, rose again last week to 33, but were 9 below the corrected average; 5 cases belonged to Islington, 4 to Shoreditch, and 4 to Newington sanitary areas. The deaths from whooping-cough, which had been 19, 27, and 16 in the preceding three weeks, rose again last week to 28, but were 4 below the The fatal cases of enteric fever, which had been 13, corrected average. 13, and 12 in the preceding three weeks, were 11 last week, the corrected average being 14; 3 cases belonged to Poplar and 2 to Kensington sanitary The deaths from diarrhea, which had been 350, 477, and 463 in the preceding three weeks, rose again last week to 481, and were 233 above the corrected average. Of the 481 deaths from diarrhea, 450 were of children under 5 years of age; 234 more deaths at this age-group were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The death's referred to diseases of the respiratory organs, which had been 169, 157, and 163 in the preceding three weeks, fell again last week to 148, and were 20 below the corrected average. The deaths attributed directly to influenza numbered 4, having been 11, 2, and 3 in the preceding three weeks.

Different forms of violence caused 70 deaths, concerning all but 4 of which inquests were held. Of these 70 deaths, 11 were cases of suicide, and 2 of homicide, while the remaining 57 were attributed to accident or negligence. Nine of these were referred to vehicles in the streets, 12 to drowning, 2 to sunstroke, 2 to the effects of chloroform administered for surgical purposes, and 7 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2612 cases of scarlet fever, 1509 of diphtheria, and 196 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 245 cases, against 307, 297, and 227; of diphtheria, 172 cases, against 265, 216, and 148; and of enteric fever, 38 cases, against 46, 50, and 42.

GREATER LONDON.

In Greater London 3845 births and 3157 deaths were registered, corresponding to annual rates of 30.7 and 25.2 per 1000 of the estimated population. In the Outer Ring 12 deaths from measles, 1 from scarlet fever, 13 from diphtheria, 19 from whooping cough, 3 from "fever," and 323 from diarrhœa were registered. Six deaths from measles, 4 from diphtheria, and 114 from diarrhœa occurred in West Ham district; 67 deaths from diarrhœa occurred in Edmonton district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.97 inches, and that of the Thermometer 66.5; the latter being 4.5 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 4 per cent, below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 49.4 hours; no rain was measured during the week.

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	CITIES	AND BOROUGHS	Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	WOLVERHAWPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTIINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	MANCHESTER.	SALFORD.	OLDHAM.	BURNLEY.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	SHEFFIELD.	HULL.	SUNDERLAND.	GATESHEAD.	INEW CASTLE.
ALL		In Centi-	24.	0.43	0.00	í	0.00	0.00	1	0.58	i i	2.11	1	0.63	1	0.53	ŧ `	1 6	99.0	1	1	1	1 1	ı	0.43	1 6	0.30	1 1	0.36	1	1	1
RAINEALL		In Inches.	23.	21.0	0.00	1	00.0	0.00	1	0.11	1 1	0.83	1	0.52	1	0.51	I	1	0.30	1	1	1	1 1	1	21.0	1 .	0.IZ	1. 1	0.14	1	1	'
AIR.	l d	Centigrade.	32.	17.22	19.17	į	18.72	19.33	1	18.33	3 1	16:17	1	16.17	ı	00.21	f	1	16.28	1	1	ı	ıi	1	15.06	1 - 0	00.97	8. I	14.94	ı	1	
TEMPERATURE OF THE AIR.	Mean	Fahrenheit.	31:	63.0	66.5	1	2.69	66.8	3 1	0.29	F 3	611	,	61.1	1	9.79	1	1	61.3	1	1	1	1 1	1	59.1	1 8	8.99	1 1	6.89	1	1 1	
ATURE	=	it Lowest.	70.	12.0	53.5	-	24.5	56.2	1	0.19	1 )	18.6	1	16.5	ı	9.09	ı	1	54.6	1	1	1	1 1	1	0.09	1 1	9.10	1 1	45.0	1	,	
BMPER	-	Fahrenheit Lowest.	19.	0.06	0.06			80.2	2 1	83.0	^l I	80.5		84.0		8.08	1.		8.2.2	1	1	1	I I.	f:	0.22	F i	8.7	1 1	82.0	,	1	
Rate T	e e saths.	From Diseases in Cols. 6-12.	18.	8.1	7.0	10.5		14.4	5.5	-	6.5				_	-	D. C.		တ္ က	11.1	13.6	0.9 2.9	#.cr	8.6	3.0	2.1	4.0	11.0	9.6	3.6	4 e	0
Annual Rate per 1000;	corresponding to the Week's Deaths	From All Causes.	17.	25.7	25.3	25.5	8.02	32.0	9.08	0.77	23.6	35.9	30.0	27.2	23.1	25.3	0.62	27.5	81.8 20.6	30.3	59.6	8.0%	16.2	6.22	13.6	12.8	19.4 19.4	27.4	2.7.7	18.3	1.07	0 00
-		Uncertified Causes of Dea	16.	46	∞	60	1	1 -		1	1 1	1	10		1	1	1	1	හ <b>්  </b>		1	ı	1 00	1	1000	i	רכ	1 4	-	٦,		4
٠.		Public	15.	892	919	13	~	14	4	16	10 01	1 00	20.0	က	6	13	00	20	10 7	49	0	∞ -	H ¢1	-	6.7	C1 :	010	16	17	21.0	9 01	07
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nde		Violence.	13.	156 3	02	6.1	-	1 4	. 03	4	භ හ	' '	=	ଦୀ	7	-	1	Н	15 6	1 00	-	က	22 1	=		F		200	1 11	63	1 0	9
The DEATHS registered in the Week include		Diarrhœa.	12.	1450	481	19	14	84	2 1-	22	18	- 17	112	10	32	44	I	6	103	102	19	17	101	19	īĊ	63	14	51 13	33 83	000	သ ဋ	14
the W		Fever.	11.	80	11	1	1	ea ea	1	1	<i>→ 1</i>	ı	¢1	1 1	ा		i	ı	က -	<b>ส</b> ดา	-	1,	1 10	-		1	1	1 0	7 -1	1	1 -	-
red in	from	Whooping-	10.	20	82	က	Н	। ०१	୍ଦୀ	-	67 1	1	ଦୀ	1	4	ı	1	1	ر د	9	-	1 0	1 0	1	1	1	Н,	4 -		1 1		7
registe	Deaths from	Diphtheria.	9,	29	33	Çī	1	27 1-	( )	П,	- 0		G.	1 1	33	~	1	1	H	C/3	ı	1	1 -		1	1	1 0	20 0	1	1	1 9	23
SATES		Scarlet Fever.	80	60	00	1	ı	1 1		T.	1 1	-	-	1 1	ı	П	ſ	1	-	1	ı	1	4 1	H	1	Н	r-1 r	<b>⊣</b> ແ	C C 1	1 1		-
The D		Measles.	7.	109	48	6.2	1	1 1	1	က	1 1	1	10	1	-	ଚୀ -			9	4	4	-	×	1	ı	1	्य (	m 0	· m	1	1	1
		Small-pox.	6,	က	1	1	1	1 1	1	( )	1 1	, 1	ı	ı	ı	1	ı	1	1 1	ı	1,	1	1 1	1	ı	ı	1	L I	ണ	1	1	
	the of	Persons aged 60 Years and upwards.	5.	815	333	13	10	13	13	56	12	61	30	14	14	18	27	-	45	43	12	[- c	9 9	0	1	4	22 8	2 23	16	10	4 -	7.4
	Deat	Infants under I Year of Age,	4	2740	1043	06	32	69	24	83	84 83	34	159	32	51	19	70	15	178	156	1.9	24	16	32	13	00 8	33	26.	58	19	. S S.	C#
during		DEATHS.	er3	5620	8022	145	51	119	59	148	20 84	909	296	59	93	116	47	49	387	316	124	09	83	63	27	24	8 3	190	111	51	4 5	TOT
gistered	Ine Week ending 19th August 1899.	BIRTHS, D	53		12671	169	49	107	63	281	115	73	381	71	125	142	4.7	70	439	335	174	65	00	89	20	42	113	242	182	701	89	TO:
Re	19 K	ВІВ		8 6866	જો									_					7	_	_						_					_
	POPULATIC setimated	to the middle of the Year 1899.*	1.	11,404,408	4,546,752	300,241	127,759	190,741	100,637	320,911	185,826	88.821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	543,902	218,244	150,772	135,081	117,622	103,464	97,721	236,241	361.169	234,270	145,613	106,552	440,020
			Cols.	1	1	1	1	1 1	1	1	k L	NON	1	ı	1	ı	1	1	1 1	1	1	1	1 1	1	- 0	1	1	1 1	1	1	1	
	CITIES	AND BOROUGHS,	Q	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PLYMOUTH -	BRISTOL -	CARDIFF -	WOLVEBHAMPTON	RIBMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY -	BIRKENHEAD	LIVERPOOL -	STE	SALFORD -	OLDHAM -	BURNLEY -	PRESTON	HUDDERSFIELD	HALIFAX -	0	SHERFIELD -	HOLL -	SUNDERLAND	GATESHEAD -	NEW CASILES

Table 2. LONDON.—Births and Deaths Registered in the Thirty-Third Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2715	2527	2330	2486	2560	2665	2646	2624	2662	2489	2704.4	2671
Males Females -	1392 1323	1239 1288	1163 1167	1291 1195	1329 1231	1356 1309	1340 1306	1324 1300	1334 1328	1280 1209	1372 <sup>-</sup> 8 1331 <sup>-</sup> 6	1412 1259
TOTAL Deaths -	1382	1751	1445	1407	1855	1428	1459	1666	2074	2019	1734.5	2208
Males Females	711 671	954 797	769 676	697 710	935 920	741 687	770 689	880 786	1088 986	1025 994	901.º6 832.9	1167 1041

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirty-third week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$													
1									July 22.		Aug.	Aug.	Aug. 19.
TOTAL Births	2306	2678	2445	2571	2422	2441	2484	2351	2444	2494	2577	2214	2671
TOTAL Deaths	1366	1483	1365	1316	1355	1297	1310	1387	1589	1884	2200	2068	2208
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	174 73 166 295 289	168 92 211 351 310	218 79 197 264 269	173 71 171 290 260	199 91 215 279 254	156 78 212 287 240	184 86 157 255 270	175 82 171 271 270	201 85 151 279 254	223 98 161 269 264	237 99 203 310 238	242 74 163 289 244	242 88 204 298 262
Measles	5 23 34 - 4	24 24 33 - 6	93 5 28 27 - 7	7 35 35 - 6	28 35 - 6	11 25 26 11	12 31 27 - 7	48 4 37 26 - 6	8 42 20 - 8	5 35 19 - 13	6 44 27 - 13	8 26 16 - 12	8 33 28 - 11
Cholera		_			1			2	7	12	21	21	16
Dis. of Respiratory System - Phthisis - Dis. of Circulatory System -	256 141 134 68 139	240 165 169 66 152	216 141 110 80 156	207 133 125 60 124	190 153 116 .86 162	159 153 124 73 143	194 139 114 49 120	176 115 122 67 128	149 116 116 77 137	169 112 123 82 156	157 145 110 91 161	163 134 96 72 151	148 151 114 70 153
TEMPERATURE OF THE AIR.  Mean	49.5 57.1 43.2	58·4 70·8 43·6	61.1 73.3 49.1	56.3 69.3 45.1	60°7 69°7 53°7	62·3 73·1 53·8	62·3 71·9 54·3	66-2 77-7 56-9	70·2 83·2 57·9	64.8 75.4 55.3	67·5 78·8 57·3	63.8 74.6 55.7	66.5 77.4 57.2
Humidity of the Air	78	60	64	67	73	68	71	67	58	67	69	73	64
Rain-fall (in inches)	0.66	0.00	0.00	0.00	0.21	0.74	0.13	0.09	0.08	0.97	0.09	0.03	0.00
Registered Sunshine (in hours)	29.3	95.9	72.1	68.0	26.2	43.9	31.4	49'4	71.0	63.6	79.7	54.9	49.4
CASES OF INFECT							HE EN	D OF	EACH	WEE	K.		
Smarlet Fever	$ \begin{array}{c c}  & 1 \\  2201 \\  1111 \\  102 \end{array} $	2212 1134 99	2269 1159 97	2280 1170 98	2367 1230 109	$     \begin{array}{c c}       2 \\       2430 \\       1280 \\       105     \end{array} $	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183	2612 1509 196

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their noteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. ?reston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LLD., Plymouth; R. C. Cann Lippincott. Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull

ABLE 4. LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-THIRD Week of the Year 1899.

	years	St	In	the V ay, 19	Weel th	k end	ling st 18	99.			r the years	S	In	the	We 19th	ek er Aug	ding gust	1899.	
	the 10		Des	ths o	of P		18 Of				ges for the 10 8*,		De		of I		nso	Í	
USESOF DEATH	Averages of 1889-98	188	U	nder 20.		der 40.	der 60.	der 80.	and ls.	CAUSES OF DEATH	Averages ek of the 1889-98*,	E8.	τ	nde	r	.der 40.	.der 60.	under 80.	and
	Corrected Averages 33rd Week of the 1889-98*,	ALL AGES.	0-1	1-5.	5-20.	20 and under 40	40 and under 60.	60 and under 80.	80 years a upwards.		Corrected 33rd Week	ALL AGES.	0-1.	1-5.	5-20.	20 and under 40	40 and under 60	60 and un	SC years
AUSES	1734.5	2208	1043	242	88	204	298	262	71	Diseases of Circulatory } System }	117.9	114	-	-	13	21	38	33	9
l- {Vaccinated† - Unvaccinated   No Statement   t Fever	0·1 0·7 41·5 24·0 0·1	- 48 8 -	- - 12 1	- 35 3 -	- - 1 4	11111	11111	111111	11111	Croup Bronchitis Pneumonia Other Diseases of Res- piratory System - }	2:8 78:7 67:1 4:0 15:6	5 51 75 4 13	2 10 15 - 2	2 5 19 - 3	1 - 4 - 2	1 12 1 1	7 10 2 4	21 15 1	-
sing Fever nza ping-cough heria lefined Fever ra and Chol. Diarr. nœs, Dysentery - tent Fever	3:9 32:0 41:7 0:3 13:9 8:7 248:4 0:1	11 16 481	16 1 - 13 404	11 21 - 1 46	3 -	7	1 11 11 -	1 - 1 12	1 - 5 -	Dentition Quinsy, Sore Throat - Enteritis } Gastro-enteritis - Peritonitis Diseases of Liver - Other Diseases of Digestive System	10·2 2·0 78·9 { 6·8 30·2 38·1	10 2 52 245 1 25 55	5 - 43 199 1 4 23	35 -	1 - 2	1 2 2 9	1 - 5 - 12 5	- 2 3 - 7 11	-
ophobia	0·1 0·3 12·3 5·2	1 1 12	1 7			- 2 1	- 2 2	- 1 1 1 1	1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	2.7	-	-	-	-	-		-	-
pelas ia and Septicæmia eral Fever Zymotic Diseases	2·7 5·2 0·7	4 1 4 2				4	1	1 - 1		Diseases of Urinary System	40*7	51	-	-	1	8	19	21	2
sh	1.9	- 1	-		-	-	-	-	-	Diseases of Generative } System } Accidents of Childbirth-	6°4 5°1	<b>4</b> 5	-	-	1 1 1	3 5	1	-	-
						-	-	-	-	Diseases of Locomotive System	5*3	7	1	-	1	3	1	1	-
ation, Want of ast-milk	10.8	1 21	-	-	-	8	11	2	-	Diseases of Integumen- tary System-	6.2	5	4	-	-	-		-	1
matic Fever, cumatism of Heart matism exts -	8·4 2·4 2·5 6·4 73·6 36·1 27·7 139·5 21·9 11·5	7 2 1 5 100 37 36 151 16 16	- - - 31 19 2 5	1 4 14 2	1 3 11	1 	1 - 47 - 55 - 7	10 - 3	6	VIOLENT DEATHS.:  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) - In Building Operations - In Conflagrations - By Burns, Sealds, Ex- plosions -	56.4	29 - 3 - 4	- 1 - - 1	1	1	13	1 4 - 2	- 1 - 1 -	-
ature Birth ctasis central Malforma- la la - la la - la la -	49.6 4.0 7.5 43.5	63 1 6 48	63	-	1 1 1 1		-	21	-	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes -		12 7 3 17	-7 - 5		5	6 - 1 1 -	2 6		1
olexy	36.8 8.8 46.7 82.4	45 6 40 81	37	7 - 8	2	3 3 - 4	17 1 - 14	20 - 15	-	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.3 9.8 0.4	2 11 -	1 -	-	1 -	3 -	1 2 -	5	1 - 1 -
ses of Organs of }	2.7	5	-	2	1	-	2	-	-	OTHER CAUSES	78.9	72	67	1	-	-	1	2	1

The numbers in this column are the average weekly deaths for the ten years loosed, have a pulation. The column are the average weekly deaths for the ten years loosed, have a certified by registered pulation. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the column when the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the column when the result is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the tendence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the tendence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the tendence at inquests in the color of the color of the tendence at inquests are classed under "accident".

Table 5. LONDON.\*—Population; Births; Deaths from all Causes, and from Small-pox, Measi Scarlet Fever, Diphtheria, Whooping-cough, Fever Diarrhea, Violence, &c., registered in ea

SUB-DISTRICT during the W	eek endir	ng Sat	urday	, 19	th A	ugu	st, 1	1899.									
							The	DEAT	HST	egiste	red d	nring	the !	Veek i	neluc	ie.	
2	Enume-			De	athsoi	E				Deat	hs fro	m				-	tions.
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Tota BIRTHS,	Total DEATHS,	Infants under 1 Year	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Soarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence.	Inquest Cases.	Desthein Publicantitutions
LONDON -	4,411,710	2,671	2,208	1043	333	-	48	8	33	28	-	11		481	70	153	516
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	377 536 114 519 1125	375 467 112 424 812 18	165 226 45 199 408	75 63 16 60 115 4	-	9 3 6 30 -	1 - - 5 1	12 - 3 14 -	1 7 2 8 10		4 2 2 3 -	-	63 105 24 107 177	13 12 5 18 21	26 29 9 46 43	94 96 32 121 155
WEST DISTRICTS.  St. Mary Paddington $H$ G. & W. WHH  St. John Paddington $H$ - G.	90,996 33,510	<b>51</b>	<b>53</b>	28 1	11 3	-	1 1	1 1	-		-	-	-	8	3	4 2	10 1
Kensington Town Ww W. Brompton HH W. & C.	122,164 48,301	61 8	78 10	28 1	24 2	-	-	-	-	-		-	-	15	1 -	3	28
North Hammersmith $\uparrow H$ South Hammersmith $\uparrow H$ W. & G Fulham $Wiv = -$ W. & C.	44,638 59,561 113,781	31 26 83	24 19 86	12 11 46	5 2 6	-	- 1.	- 1	3	- 1		- 4	- 1 - 1	6 4 22	1 2	1 1 4	5 21
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	$egin{array}{c} 12 \\ 20 \\ 10 \\ \end{array}$	10 16 9	8213	6 2	-	-	-		-		-		6 1	1, in	1 2 -	9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	5 26 15 6	8 22 14 2	2189	5 1 3 1	-		-	1	-	-	- 1 - 1		233	3 1 1	1 4 2 1	7 5 1
St. James Westminster N. & G. St. Anne Soho HHHHHHH - N.	23,050 12,048	13 1	11 7	5	3	-	-	-	-	-		-	-	1	-	-	1 2
NORTH DISTRICTS.  All Souls Marylebone   - W. Rectory Marylebone W G. & W. St. Mary Marylebone   G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	12 9 22 12 16	20 9 4 15	5 4 2 12 1	2 1 1 1	1 1 1 1 1	1 1			11:11				3 - 1 4 -	1 - 1	1 1	8 2 -
Hampstead WWHHHH } - N. & W.	75,449	25	24	10	3	-	-	1	2		-	-	-	7	-	-	6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	19 13 12 15 7 45	17 11 12 16 16 41	11 8 4 4 7 27	2 - 1345		1		7 1 1 1 1 1	1 3			1 1 1 1 1 1	2 4 3 5 4 9	2 1	1 2 1 3 1	1 1 3 3 7 2
$ \begin{array}{c c} \textbf{Upper Holloway} & - & - & \textbf{N}. \\ \hline WWWwHH} & - & - & \textbf{N}. \\ \hline \textbf{Islington South-west} & \textbf{H} & - & \textbf{N}. \\ \hline \textbf{Islington South-east} & - & - & \textbf{N}. \\ \hline \textbf{Highbury} & HH & - & - & - & \textbf{N}. \\ \end{array} $	98,273 107,365 66,549 64,577	71 51 45 28	73 45 13 25	29 26 8 5	11 4 1 8	-	3 - 1		2	2		1 1 1 1		12 16 2 2	3 -	5 2 3	35
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$ \left\{ \begin{array}{c} 23 \\ 20 \\ 28 \\ 31 \\ 32 \end{array} \right. $	7 17 29 24 44	5 12 15 12 19	1 1 5 8		1 -	~	- 18	-		2 -		1 2 3 8 17	1 1 1 1 1	2 2 1 3	- 10 4 14

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated therein namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum: l—Private Lunatic Asylum in which paupers are Grand Junction Company; W. West Middlesex; C. Ohelsea: S. Southwark and Vauxhall: L. Lambeth N. New See note for first page of this Return.

The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES FARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEA, VIOLENCE, &c., registered in each 51B-DISTRICT during the Week ending Saturday, 19th August, 1899—continued.

lation   1896.																		
							The	e D E A	THS	regist	ered	durin	gthe	Week	inol	ude		_
				Deat					]	Death	s fro	m					utions	
EGISTRATION SUB-DISTRICTS	Popu- lation.		Total DMATHS	1 7	Persons aged 50 Years and upwards,	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	١.	Diarrhea,	Violence	InquestCases	Deaths in Public Instit	
	16,110	2	3	3 9	-	-	-	_		_	-	_		ရာ ဝ		_	_	-
artin-in-the-Fields $HH$ N.&C. and $WHH$ N.	9,151 13,077 11,839	3	111		- 3	-		-	-	1.1. 3.1	-	-	-	1	-	-	7	
orn wHHHHHHH - N. ames Clerkenwell - N. vell Clerkenwell - N. vell-street Nroad HHHL N.	31,042 15,777 34,356 16,069	13 17 7 33	20 8 8 5 19	9 4 3 2	2121 -	-	. 1	1 1 2 1	1.1.1.1		1 1 1	1111	1 1 1 1	4 2 4 1	_	2 2	5	
bury N.	4,035 †892	4	1	1 -	1 -	-	1 -	-	1 1 1	1.1			-	1.1		~-	-	-
$egin{array}{lll}  ext{plegate} & - & - & - & N. \  ext{epulchre} & WH - & - & N. \  ext{allows Barking} - & - & N. \end{array}$	9,059 2,892	1 3	15 1	1		-		-			1.1.1.1	~		1	3		13	-
EAST DISTRICTS.  The ditch South $Hl$ - E. & N. ton New Town $w$ - N. ton Old Town N. ton Old Town N. & E.	17,975 29,575 27,645 47,163	8 17 17 17 31	10 14 19 26	4 5 13 10	1 4 2 5		1111		- 1 -	1 -	1.1.1.1			4 1 8 6	1 3	2 4 - 6	1 5 - 5	-
mal Green North H - E. $mal Green South - E.$ $mal Green East WHl - E.$	49,301 34,194 45,667	34 29 33	24 15 34	10 9 13	5 1 9	1 1 1	1,11	1 1 1	1 1 1	1 1 1	1 1 1	11.11	1 7 1	8 5 7	- 2	1 1 2	- 16	-
Alfields F & N. End New Town* $WH$ - E. lman's Fields* E.	26,681 } 51,995 {	14 27 15	5 63 4	3 23 2	3	-	1	1 1 1	- 1 1 1					7	5 -	1 11 -	56 -	
eorge's North E. ohn, St. George East W E.	39,576 7,930	39 5	11	7 3	1 4	-	-	-	-	_	-	-	-	4 4		11, 0	8	-
lwell H E.&N. liff W E. ehouse E.	10,434 14,954 32,917	14 8 18	14 10 17	7 5 8	- 2 4		1		-			1 1/1	1 1 1	513	2 -	1	8 -	1 1 1
End Old Town West H E. End Old Town East - E.	} 111,060	{ 52 50	21 29	16 13	1 6	-	-	-	2	1 2	-			8	1	1	4	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	35 43 30	18° 49 30	9 23 16	2 8 2		3	1 1 1	-	1 2 1		1	1.1.1	15 10	1 2 2	8 2	18	1 1 1

† Population in 1891, not included in the total population of the Central Districts or of London. Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 19th August, 1899—continued.

							The	DEAT	H8 re	gister	ed du	ring t	he W	ekin	clud	8	
	Enume-			Deat	hsof				D	eaths	fron	1				-	utions
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhes.	Violence.	InquestCases.	Deaths in Public Institutions
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L.	13,064 12,301 22,879 16,083	7 14 17 14	7 4 7 14	4 2 7 9 5	- - 1	1 1 1 1	2 - 2 1	11111	11111	11111	11111	171,11	1,1 1,1 1,1	2 4 2 2 2	1	1 3	2
London-road HL L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & I. St. Mary Newington - L. & S.	21,316 28,723 62,045 30,171	19 19 47 20	9 8 23 9	5 3 15 7	1 1 - 2	-	4 -		111		1 1 1	1111		4222232	1 1 5	1 2 1	18
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	76 30	24 47 29	28 12	5	-	- 5	-		1	-	-	-	10 4	-	1 -	10
Waterloo-road <i>HH</i> - L. & S. Lambeth Church 1st <i>H</i> - L. & S. Lambeth Church 2nd <i>WW</i> L. & S. Kennington 1st <i>H</i> - S. & L. Kennington 2nd - S. & L. Kennington 2nd Brixton <i>w</i> - L. & S. Norwood <i>WH</i> L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	26 15 21 35 25 55 15	12 16 34 16 16 40 18	5 4 8 9 10 20 11	2242253		3 - 1	11111	- 1 - 1 - 1 - 1	- 2	111111	1	111111	3 2 6 4 4 8 10	1 4	144	4 8 13 1 - 2
	71,730 93,385 46,953 58,101 20,566 61,644	49 62 30 40 9 38	27 47 20 24 8 26	20 20 11 14 6 12	2 10 6 5 1 4		1 1	- 1	1 1 1 3	2		11111	11111	6 5 6 7	ī	2 3 1	15 2 - - 2
Dulwich L. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 66 54 49	3 52 34 27	1 18 21 18	1 18 3 2	1 1 1 1	3	1.1.1.1	- 1 1	1	1111	1111		1 8 11 7	- - 2	2 - 3	28 - -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	35 39 16 12 23	13 31 9 12 34	9 16 4 9 7	3 - 9	11111	2 2	2 -	3	- 2 -		ī - 1	11111	3 12 4 4 5	1	1 1	20
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	4 8 33 27	1 5 30 13	4 16 10	1 1 1	1116	1	2 -	3 -	1	1111	1111	1111	2 7 6	2	2 -	11 2
$\begin{array}{cccccc} {\rm Charlton} & wHB & - & - & {\rm K.} \\ {\rm Woolwich\ Dockyard} & - & - & {\rm K.} \\ {\rm Woolwich\ Arsenal} & HHHH & - & {\rm K.} \\ {\rm Plumstead\ West} & H & - & - & {\rm K.} \\ {\rm Plumstead\ East} & WH & - & - & {\rm K.} \\ \end{array}$	15,928 19,355 21,959 16,714 42,538	8 10 16 9 26	17 8 10 4 24	6 5 4 2 12	3 2 2 1 3	1111	<u>-</u>	1	3	1	11111	1111		23 - 5	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 - 1 - 1 - 5
Banstead Asylum		-	1 - 2 1 - 2 2 4	1 - 1 - 1 - 1	1 - 1 - 1 - 1 - 1		4 - 1 - 1 - 1 - 1		1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	11.111111	1111111	1 1 1 1 1 1 1 1 1	3 1 13 13 1 1 1	11111111	2 1 2 2 4 -
Colney Hatch Asylum N.E. Hospital Winchmore Hill Hospital Leavesden Asylum Claybury Asylum			1 4 1	-	2 -			1 -		-	1 1 1 1			1 1 1 1	1 -	1111	1 - 4 1

E.E.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 19th August, 1899.

024	ding Saturday, 19th Augus	1			1			Th-	Date	TUG	o of at	mad i-	a the	West	inclu	do		
	in Popu- E V S S S S																	
on iet l iet		in	Popu- lation,	BIRTHS.	DEATES.	-	60 ds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa,	Violence.	Inquest Cases.	Pu.	Uncertified Causes of Death.
ON	DON-OUTER RING -	368,749	1,422,063	1174	949	575	108	-	12	1	18	19	3	323	18	41	61	6
1 2	Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	12 5	7	4 -	-	-	-	-	1 -	-	-	1 -	1 1		-	1
1	Godstone, part of * W -	2,754	1,598	1	-	-	-			3 -	-		-	-	7	-	-	-
1 2	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	69 14	64 8	43	10	-	-	-	-	4 -	-	14	1	1	2 -	-
12345	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	25,777 33,566 12,178 11,080 18,252	28 33 8 7 10	16 23 5 2 15	8 12 3 1 9	1 4 2 - 2	11111	1111	- 1	11111	11111	1111	4 6 1 7	1 -	1 3 - 2 -	15111	11111
1 2	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	14 13	15 9	5 6	2	-	-	-	1 -	1	-	2 2	-	2 -	3 -	-
123	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	18 13 8	8 8 14	7 8 4	- 6	1 1 1	1 1 1		1 1 1		111	2 2 1	- 2	- 3	- 4	1 1 1
1 2	Bexley ##H Dartford WH. part of * -	12,540	30,590 —	32	23	12	2 -		-	-	-	-	-	12	1 -	1 -	-	1 -
1 2	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	13 5	10 5	4 2	3 2	-	-		-	1	1 -	3	-	ī	-	=
1 23	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	7	10 3 2	522	1 -	-	-	-	1 - -	1 -	-	3 2 1		1	2 -	111
12345	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	39 8 25 12 17	22 10 21 15 12	9 5 13 12 7	6 2 1 - 2		1		ī -	11111		5 1 11 7 4		1	6	11111
1004	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	15 2 70 14	8 62 10	4 1 38 3	3 4 3		- 2 1	-	1 -	2	1 1.1 1	2 1 17 3	1 -	2	-11	1 -
1010	South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	6 10 18	3 2 13	10	1	- 1-	-		- 1	- 1	-	- 8	-	-	-	
П	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	49 75 45 24 3 8	26 71 32 26 1	19 46 14 18 1	1 5 7 2	111111	2	111111	1	1	111111	13 27 14 12 1	1 1	4	2 6 1	1 -
ш	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	4	3	1	2	-	-	-	-	-	-	- 11	-	-	-	1 1 1
	Stratford H Plaistow WHHHH Canning Town H East Ham WHH Leyton WWWHH Walthamstow HHL - Chigwell, part of* HHHH Epping WH, part of* -	3,266 4,334 6,501 11,779	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	27 58 52 32 61 74 62	20 52 42 26 59 45 62	14 36 22 18 48 21 39 4	2 1 3 4 1 11 3 2	1111111	1 1 1 3	11111111	- 3 - - 1 -	- 2 1 - 1 - 2	1	13 11 19 8 31 16 16	- 2 - 1 1 3 1	- 2 - 4 3 3	1 5 2 - 10 1	111111111
	Romford, part of WH - Ilford	6,556 8,493 3,814	4,324 10,913 14,301	3 27 13 -	1 5 21 13 2	2 16 8	1 3 -				- - -			6 7	1	1	3 - 2	1111
	parts of sub-districts included			SOPPOS AND										1				1

eparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows:—30: 2, Epson sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Ohislehurst strict, except the parishes of Chelsfield. Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS an Rate of MORTALITY during the week ending Saturday. 19th August, 1899.

			1	- 7			The DI	ATH	S reg	stere	l in th	1e We	ek in	clude	
GREATER LONDON.	Area in Acres.	Population estimated in the middle of the year 1899.	of MOR	From Diseases in Cols. 8-14.	DEATHS rom ALL CAUSES.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria,	Whooping-	Fever,	Diarrhoss.	Violones
·Cols.	1.	2	3	4.	5	6.	7.	8.	9.	10	11.	12.	13.	. 14.	1
GREATER LONDON	443,421	6,528,434	25.2	7:8	3157	1618	441		60	9	46	47	14	804	8
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	25·3 25·0	7.0 9.8	2208 949	1043 575	333 108	 -	48 12	8	33 13	28 19	11 3	481 323	7() 18

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivalently area of a circle having a radius of 14.851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY IN EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

			and	in certain	FOREIGI	N CITIES.						
	BODEL ATION			1		ANNUAL	DE.	ATHS	FRO	PRII	SES.	L ZYN
-	POPULATION (enumerated	DAT OF RET	_	BIRTHS.	DEATHS.	DEATH-	×.	, zič	t .	ria	Whooping- cough.	
CITIES	or			Exclusive	of Stillborn	PATE per 1000	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	opin 1gh	Fever.
	estimated).	Week er	laing	Taxciusivo	) Common'n	living.	nal	Meg	Seg	lph	ро 100	Fe
	I to the to the			1		1	1 20		<u> </u>	I A	₺.	
EDINBURGH	298,927	Aug.	19	164	101	17.6	_	_	-	_	2	2
GLASGOW	733,903	,,	. 19	432	300	21.3	-	16	4	1	6	1
DUBLIN	349,594		19	184	234	34.9	-	10		1	7	2
CALCUTTA	466,460	July	15	: -	181	20.2	-	-	-	-	-	53†
BOMBAY	821,764	93 1	25	184	541	34.2	9	9	?	?	?	116†
MADRAS	452,518	,,	7	346	264	30.3	-	3	?	?	3	47
PARIS	2,511,629	Aug.	12	1060	926	19.1	-	22	2	4*	8	32
BRUSSELS	551,011	. ,,	. 12	264	199	18.5	-	-	-	-	1	1
AMSTERDAM -	517,595		5	324	169	17.0	-	-	-	-	-	-
ROTTERDAM	315,305	19 .	5	221	128	21.2	-	1	1	-	3	1
THE HAGUE -	199,285	12	. 5	133	67	17.5	-	-	~	-	-	-
COPENHAGEN -	345,000	. 99 .	.12	235	128	19:3	-	-	1	1	1	2
STOCKHOLM -	291,580	. 39	5	141	104	18.5	-	1	-	4*	-	-
CHRISTIANIA -	221,073	199 -	12	105	98	22.4	-	-	-	-	-	-
ST. PETERSBURG	1,132,677	,,	5	587	590	27.2	1	13	13	24	2	28
Moscow	988,610	* **	5		766	40*4	1	5	7	6	3	1
BERLIN -	1,818,517	July	29	864	750	21.5	-	18	8	5	11	1
HAMBURG	675,351	Aug.	12	:	337	25.9	-	-	3	1*	4	-
DRESDEN -	394,300	July	22		143	18.9	-	1	-	3*	-	-
BRESLAU	406,012 445,000	Aug.	12 5	328.	247 201	31·7 23·5	_	3	8	-		7
	KELL LA (	91 ]				i i						-
VIENNA	1,623,134 384,622	23	12 .12	964 152	619 139	19·8 18·8	_	14	2 2	3*	$\begin{bmatrix} 2 \\ 2 \end{bmatrix}$	1
BUDA-PESTH +	666,722	"	5	441	278	21.7	_	1	7	3	-	1
TRIESTE -	166,599	July	29	98	82	25.6	_	_	1	1*	1	1
ROME -	505,850	,,	22	170	147	15.2		_	1	_	_	88
TURIN (10 days)	344,203	22	10	-	_	-	_	_	_	_	_	- 08
VENICE -	171,023	Aug.	5	75	64	19.5	-	-	-	1*	-	1
CAIRO -	570,062		-	-	1 _	_	_	_	-	-	_	-
ALEXANDRIA -	319,766	-		-	2 -	-	-	-	-	-	-	-
NEW YORK	1		1 75	1413	1652	9449	_	11	6	95	16	11
(including BROOKLYN)	3,550,053	July	{ 15 22	1285	1559	24·3 22·9	-	11 13	10	25 42	16 19	8
PHILADELPHIA -	1,266,832	, ,90	29		481	19.8	-	1	-	11	2	8
Bucker du to 1 12	The Court	Fall L										

								_													_
	Ozone		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	Seg.;	ans of bulb	years r the	mum The mean	stions ment	"and	rate;	ment,	; and	1
collected	Gauge whose	surfacels 5 inches above the Ground.	in. 0.00	0.00	0.00	0.00	0.00	0.00	0.00	Sum 00.0	25	elofthe	The met	twenty 1868 fo	d mini umn 8)	observs	ding 187 higher, hermon	istering Electrometer. weak; m. moderate;	Instrum of the	he 15th	
		Depar- ture from Average of	Miles. - 28	- 40	98 -	- 17	+ 73	4 55	1 22	Sum - 65	24	i. Iean lev	el. h. P.M.	ing the ending	num an air (col	ygrome on of the orizonta	licates or	tering H	unshine ginning	M. on t	
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles. 217	201	152	217	304	283	204	Sum 1578	23	midnight ove the m	to sea lev	nade dur	te maxin ure of the	alsner's n discussic that of h	or the 16 y hat + inc idexerror	Thomson's self-regist N. negative; w. we	Stokes Siday.	1. by 3h. P.	
	peq.	an 24	lbs. 0.1	0.1	1.0	0.1	0.5	0.1	0.1	:	22	ght to set ab	3h.P.	ords r	of the	rom grand,	ords fo nind t rtheir	son's gativ	pbell- each 09 in.	9.75 ir	
	Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig 8 159 f	s to re	or rec	lings of ten	rived rg 1890	icrectic in rection tedfor	Chom: N. ne	eCam ine or om 30	d to 2	
	Press	Great.	1bg. 2.0	1.3	9.1	1.6	3.3	2.8	1.4	:	20	from r	A.M.;	graph graph luring	e reac value degre	batde sendir	ometr e born sorrec	from [ive;	sunsh sed fr	erease	1
-110	Osler's.	P.M.	NE. & E.	E. & ESE.	Variable	N., NW. &	WNW. &	NW.	ZZZ WZZ WZZ	ariable	18	ivil day, or of the baron	ied to there taken at 9h. arometer, tl	of the photo leter, and	corrected mean resulting of the dry but were meaning on the dry but with and minimum amean of the maximum and minimum anean daily value of temperature of the air (column 8). The perature and degree of humidity are deduced from the mean	wet build the of the air ist the 50 years	of the anem 24 it will be e.	od. r is derived e:—P. posit	3, derived from of bright	the 13th; deend of the w	
	General Direction,	А,М,	E. & NE.	ENE. & E.	E. & NE.	NNE. & N.			NNW, NNE.	Varia	18	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 139 feet above the mean level of the sea ;	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h.A.M.; noon; 3h.P.M.; and 9h.P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb	undrumbered, rate converted into mean daily whitee by the application to controver deducted from a discussion of the photographic records made during the breathy years ending 1873 for the barometer, and during the twenty years ending 1885 for the controvers.	combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dewpoint temperature and degree of humidity are deduced from the mean mean daily dewpoint temperature and degree of humidity are deduced from the mean mean mean daily was the mean mean daily are deduced from the mean mean mean daily dewpoint temperature and degree of humidity are deduced from the mean mean mean daily degree of humidity are deduced from the mean mean daily was deduced from the mean mean daily degree of humidity are deduced from the mean mean daily degree of humidity are deduced from the mean mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity are deduced from the mean daily degree of humidity degree of humidity are deduced from the mean daily degree of humidity degree degree daily daily degree daily daily daily daily daily daily daily daily daily daily daily d	dany Yeuses of the ury and web bulb thermometers by takinster a typyrometral attempt of Theaverage temperature of the air is that derived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement	of the arritom a discussion of the anemometric records for the 16 years enting 1870.  In reading columns and 24 it will be borne in mind that + indicates "higher," and  -"lower," than the average.  The valuesgiven in column 17 arenot corrected for the index error of the thermometer,	which cannot be determined. The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate;	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day. The reading of the barometer increased from 30/09 in, at the beginning of the week	to 30:10 in, by 10h. A.M. on the 13th; decreased to 29:75 in. by 3h. F.M. on the 15th; and increased to 30:03 in, by the end of the week.	
-	Of the	3 feet below the Surface.	65.87	62.86	60.99	11.99	66.31	66.32	66.30	66.13	17	esults a	ection h vations	d from a 1873 for	combined the thermometers, in mean daily dew	verage t t Green	ading co	cannot lecord of mapols of and a	umbers heaggre	in. by ed to 30	
	tion	Lowest on the Grass.	41.0	48.3	20.3	49.9	48-7	48.9	92.0	48.9	16	The r	no corr Obserthe eye	deduce	combin thermo mean d	Thea made a	In res	which The ry The sy	The p	to 30.10	
	Of Radiation	Highest in Sun's Rays.	0.041	140.0	149.1	131.8	133.2	125.9	114.0	133.4	15	-	rtially	titially t.	noon; Light-	,	even-	morning;	onally little		
	Degree of Hu- midity	ration equals 100).	72	22	29	22	51	19	74	- 64	14,	oğ.	g; par night,	d par t nigh	after rds. ]		ing in h. P.M	in mor	occasi with		
		Least,	0.8	1.7	7.0	1.5	8.5	9.7	2.5	25.00	13	MARK	ornin less at	ne an Hessa	ly till terwa	· *	Lightn bout 9		nd c		
Lempers	lew Poin	Great-	0 18.5	1.91	29.0	24.1	25.5	2.61	1.91	21.3	12	L RE	ss in m	ng; fl	r cloud ing af y.	cloud	udy.	ly clot fterwa	lly, s		
Differe the Air	and Dew Point Temperature.	Mean daily value.	9.4	7.3	15.0	15.8	18.9	14.0	2.8	127	11	GENERAL REMARKS	loudle	morning; fine and partially groon; cloudless at night.	artially carenin Sultry.	rtially	ally ele rops of	partial reast a	genera evenir	<b>1</b> 2	
Ī	Of the Dew point.	Mean daily value.	53.8	0.89	6.29	51.5	46.2	0.19	2.29	53.7	10	GE	fine; c	ly in in afte	and pand the	Fine and partially cloudy.	Fine; partially cloudy. Lightning in even- ig. A few drops of rain about 9h, P.M.	and 1 ly ove	cast y till	t nigh	
		De- parture from Average of	8.0 +	+ 3.0	+10.8	+ 5.3	+ 3.6	+ 3.4	+ 4.8	+ 4.5	6		Very fine; cloudless in norning; partially cloudy till evening; cloudless at night.	Cloudy in morning; fine and particloudy in afternoon; clouddless at night,	Fine and partially cloudy till afternoon; cloudy and threatening afterwards. Lightning at night, Sultry.	Fine	Fine;	Fine and partially cloudy generally overcast afterwards.	Overcast generally, and occasionally showery till evening; very fine with little	cloud at night.	
INA LONG	ir.	Mean daily value.	63.2	65.3	72.9	67.3	7.29	0.29	66.2	99.2	00	Registered Sun above Sunshine Horizon, in hours.	14.7	14.6	14.6	14.5	14.4	14.4	14:3	Sum 101.5	29
TRIME	Of the Air.	Daily Range.	20.7	20.2	32.1	19.5	18.9	15.3	14.5	20.3	7	red Su ine H rs. in									
		Low- est	0 23.2	1.99	6.19	59.3	56.1	57.5	9.09	57.5	9	Registe Sunsh in hou	11:4	0.9	7.3	8.1	10.8	4.9	6.0	Sum 494	28
		High-	0 74.2	8.92	0.06	78.5	0.02	72.5	75-1	77.4	2	of e.)	- h	out -	P.M.; efore ofter-	o:	ning;	ning;	0.		
METER.	Mean daily reading	corrected and reduced to 32° Fahren-heit).	in. 30.066	29.983	29.819	29.925	29.662	29.636	30.025	896-62	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally	w. P. throughout	w. P. till 4h. P.M.; m. N. shortly before 5h. P.M.; v. P. after-	warus. w. P. and m. P.	w. P. in morning v. P. afterwards.	w. P. in morning P. afterwards.	w. P. and m. P		27
		Moon.	:	First	Quarter.	Greatest	Dec. S.	:	:		60	ELE (For es symbo	w.P.	w.P.	w. P. m. N. s 5h. P.M	warus. W. P.	v. P. af	w. P. aff	w.P.		
		е	13	.14	15	16	17	18	16.		- uu			- 14	- 15	x 16	- 17	- 18	- 19		
	1899.	MONTH AND DAY	AUGUST.	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. AUGUST.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

LONDON:
PRINTED FOR HER HAJESTY'S STATIONERY OFFICE
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1899.

OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 34. 1899. Vol. LX.] WEEK ENDING SATURDAY, AUGUST 26. [Price 1] d.

General Register Office, Somerset House, August 28th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 26.8 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	•	Weeks	ending	g	Ī		- 7	Weeks	endin	g
Towns.	Aug.	Aug.	Aug. 19.	Aug. 26.		Towns.	Aug.	Aug. 12.	Aug.	Aug. 26.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield-	19·5 24·6 13·9 18·0 18·8 16·1 21·0 30·0 16·3 12·7 12·7	18·6 27·0 14·7 19·6 20·1 23·3 17·1 26·3 19·4 19·2 21·1 21·0 16·0	19·4 33·9 24·0 38·3 23·6 20·8 20·1 12·8	26.8 26.7 30.7 25.5 27.3 24.1 30.9 23.7 35.5 24.1 20.8 23.0 27.9 21.9	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Leicester Liverpool London Manchester Newcastle-on-Tyne Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford Sheffield Sunderland	1-0	33.6 23.7 32.3 22.4 23.9 28.1 21.8 36.3 27.9 24.8 28.4		36·7 24·1 33·7 27·4 23·9 30·1 22·5 32·6 32·0 30·1 38·0 29·5 32·2
Hull Leeds	18·3 24·5	11-1-1	24.7	$\begin{vmatrix} 21.2 \\ 26.3 \\ 23.2 \end{vmatrix}$		Swansea West Ham Wolverhampton -	$\begin{vmatrix} 21.1 \\ 27.4 \\ 20.5 \end{vmatrix}$	28.7	25·2 35·2	25.7

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Manchester, 1.1 in Sunderland, 1.2 in Salford and in Sheffield, and 14 in Burnley; from scarlet fever, 15 in Derby; from whooping-cough, 1.0 in Huddersfield, 1.1 in Portsmouth and in Leeds, and 1.5 in Gateshead; from "fever," 1.2 in Blackburn, and 1.4 in Birkenhead; and from diarrhæa, 6.2 in Oldham, 6.5 in Wolverhampton, 7.2 in Sunderland, 7.3 in Gateshead, 7.5 in Sheffield, 7.8 in Bristol, 8.3 in Plymouth, 8.5 in West Ham, 8.8 in Salford, 9.0 in Bolton, 9.3 in Preston, 9.6 in Nottingham, 10.4 in Condiff, 10.6 in Norwick, 10.7 in Hull, 11.2 in in Nottingham, 10.4 in Cardiff, 10.6 in Norwich, 10.7 in Hull, 11.2 in Leicester, 11.5 in Portsmouth, 11.7 in Birmingham, 12.0 in Manchester, 12.7in Liverpool, 13.4 in Burnley, and 16.5 in Brighton. The 72 deaths from diphtheria included 29 in London, 7 in Sheffield, 5 in Liverpool, 4 in West Ham, 4 in Birmingham, 4 in Leicester, 4 in Leeds, 3 in Manchester, and 3 in Salford. One death from *small-pox* was registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In London† 2646 BIRTHS and 2100 DEATHS were registered. for increase of population, the births were 15, and the deaths

By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained for increase in the last intercensal period had since been maintained for living in the last intercensal period had since been maintained for living leaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1,6, and 7 added to the Cuter Ring, or to other areas to which they belong.

above the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 25·2, 23·7, and 25·3, in the preceding three weeks, fell again last week to 24·1. During the four weeks ending on Saturday last the death-rate averaged 24·6 per 1000, being 4·9 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 2100 deaths included 52 from measles, 7 from scarlet fever, 29 from diphtheria, 17 from whooping-cough, 16 from enteric fever, 426 from diarrhea and dysentery, 21 from cholera and choleraic diarrhea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 568 deaths were referred to these diseases, being 215 above the

corrected average weekly number.

The deaths from measles, which had been 60, 54, and 48 in the preceding three weeks, rose again last week to 52, and were 17 above the corrected average; 8 cases belonged to Bermondsey, 7 to Newington, 7 to Greenwich, and 5 to Lambeth sanitary areas. The deaths from scarlet fever, which had been 6, 8, and 8 in the preceding three weeks, were 7 last week, the corrected average being 20. The deaths from diphtheria, which had been 44, 26, and 33 in the preceding three weeks, fell again last week to 29, and were 8 below the corrected average; 5 cases belonged to Battersea and 3 to Islington sanitary areas. The deaths from whooping-cough, which had been 27, 16, and 28 in the preceding three weeks, fell again last week to 17, and were 12 below the corrected average. The fatal cases of enteric fever, which had been 13, 12, and 11 in the preceding three weeks, rose again last week to 16, and were 4 above the corrected average; 3 cases belonged to Camberwell and 2 to Kensington sanitary areas. The deaths from diarrhea, which had been 477, 463, and 481 in the preceding three weeks, fell again last week to 426, but were 213 above the corrected average. Of the 426 deaths from diarrhœa, 398 were of children under 5 years of age; 198 more deaths at this age-group were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 157, 163, and 148 in the preceding three weeks, rose again last week to 170, and were 14 above the corrected average. The deaths attributed directly to influenza numbered 3, having been 2, 3, and 4 in the preceding three weeks.

Different forms of violence caused 60 deaths, concerning all but 3 of which inquests were held. Of these 60 deaths, 8 were cases of suicide, while the remaining 52 were attributed to accident or negligence. Eight of these were referred to vehicles in the streets, 5 to drowning, 2 to sunstroke, and 7 (including 6 of infants under one year of age), to suffocation

in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2547 cases of scarlet fever, 1512 of diphtheria, and 203 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 225 cases, against 297, 227, and 245; of diphtheria, 188 cases, against 216, 148, and 172; and of enteric fever, 28 cases, against 50, 42, and 38.

GREATER LONDON.

In Greater London 3752 births and 3008 deaths were registered, corresponding to annual rates of 30·0 and 24·0 per 1000 of the estimated population. In the Outer Ring 5 deaths from measles, 3 from scarlet fever, 7 from diphtheria, 7 from whooping cough, 6 from "fever," and 293 from diarrhæa were registered. Six deaths from diphtheria and 98 from diarrhæa occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30.01 inches, and that of the Thermometer 66°.4; the latter being 5°.4 above the week's average in the 50 years 1841-90. The direction of the wind was Easterly, the horizontal movement of the air being 27 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 74.8 hours; the measured rainfall amounted to 0.00 inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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SHAMAD	SHILLD	BOROUGHS	Cols.	33 TOWNS.	Lourbon	Wright HAM	Chowney.	REIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	WOITEBILL	BIRMINGHAMPTON	NORWICH	LEICESTER.	NOTHINGHAM.	DERBY.	BIRKENHEAD	LIVERPOOL.	BULTON.	MANCHESTER.	SALFORD.	OLDHAM.	BLACKBURN	PRESTON.	HUDDERSKIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	SHVLL.	GATESHEAD.	NEWCASTLE.
FALL.	-	n Centi- metres,	I 24	0.03		000	1 0.0	0.00	00 1	,	0.00	1 1	0.00		0.13	1	0.00	1	1	0.13	1	1	1	1 1	1	1	0.00	ı	0.03	1	1 0	00.0	1	1
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ending 1st 1899.	,	BATHS.	83	5868	2100	148	19	73	117	63	98	44	37	303	52	911	138	47	69	446		352	55	12	99	89	42	41	200	204	118	06	57	120
the Week ending 26th August 1899.		BIRTHS, DEATHS.	71		2646	149	73	43	103	105	111	53	46	336	69	128	138	26	52	481	94	7.00	79	52	06	19	50	47	101	253	172	36	64	160
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POPULATI	to the	middle of the Year 1899.*	1.	11,404,408 6776	4,546,752	300,241	127,759	123,226	190,741	100,637	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	150 779	113,081	135,154	117,622	103,464	97.721	750,241	361 169	234.270	145,613	106,552	228,625
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CITIES	AND	вокотонк.	0	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	CARDIEF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY -	BIRKENHEAD	LIVERPOOL -	BOLTON -	MANCHESTER	OLDHAM -	BURNLEY -	BLACKBURN-	PRESTON -	HUDDERSFIELD	HALIFAX -	Tarne	SHEFFIELD -	HULL	SUNDERLAND	GATESHEAD	NEWCASTLE -

\* See note \* on first page of this return.

Table 2. LONDON.—Births and Deaths Registered in the THIRTY-FOURTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
Total Births  Males Females -	2358 1218 1140	2487 1266 1221	2501 1234 1267	2495 1237 1258	2571 1306 1265	2378 1201 1177	2448 1235 1213	2498 1254 1244	2718 1409 1309	2551 1283 1268	2630°8 1330°2 1300°6	2646 1354 1292
Total <b>Deaths</b> -  Males  Females	1240 674 566	1629 794 835	1403 735 668	736 670	1718 901 817	1284 633 651	1430 705 725	1426 720 706	1748 924 824	1856 985 871	1592·9 821·4 771·5	2100 1104 996

The numbers in this column are the average weekly numbers in the thirty-fourth week of the ten years 1889-98, raised by 5°213 per cent, for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

in Hospitals, in the Last Thirteen Weeks.														
	June 3.	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug. 5.	Aug.	Aug. 19.	Aug.	
TOTAL Births	2678	2445	2571	2422	2441	2484	2351	2444	2494	2577	2214	2671	2646	
TOTAL Deaths	1483	1365	1316	1355	1297	1310	1387	1589	1881	2200	2068	2208	2100	
$ \frac{\text{Ages at}}{\text{Death}} \begin{cases}                                  $	281 168 92 211 351 310 70	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 255 89 229 289 264 58	
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough - Typhus Enteric Fever Simple Continued Fever Diarrhea and Dysentery Cholera	67 4 24 33 6 - 13	1 93 5 28 27 - 7 - 12	64 7 35 35 35 6 - 12	- 655 4 28 35 - 6 - 9	51 11 25 26 - 11 - 20	50 12 31 27 - 7 - 28	1 48 47 26 - 6 - 75 2	-46 8 42 20 - 8 - 185 7	56 5 5 35 19 - 13 - 350 12	60 64 44 27 - 13 - 477 21	54 8 26 16 - 12 463 21	48 8 33 28 -11 481 16	52 7 29 17 - 16 - 426 21	
All the above Diseases -	147	173	159	148	144	155	199	316	490	648	600	625	568	
Dis. of Respiratory System—Phthisis—————————————————————————————————	240 165 169 66 152 529	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 516	170 151 112 60 139 526	
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	58.4 70.8 43.6	61·1 73·3 49·1	56.3 69.3 45.1	60.7 69.7 53.7	62·3 73·1 53·8	62·3 71·9 54·3	66-2 77-7 56-9	70·2 83·2 57·9	64·8 75·4 55·3	67·5 78·8 57·3	63.8 74.6 55.7	66.5 77.4 57.2	66.4 79.8 53.6	
Humidity of the Air	60	64	67	73	68	71	67	58	67	69	73	64	.63	
Rain-fall (in inches)	0.00	0.00	0.00	0.21	0.74	0.13	0.09	0.06	0.97	0.09	0.02	0.00	0.00	
Registered Sunshine (in hours)	95.9	72.1	68.0	26.3	43.9	31.4	49.4	71.0	63.6	79.7	54.9	49.4	74.8	
	CASES OF INFECTIOUS SICKNESS IN HOSPITALS* AT THE END OF EACH WEEK.													
Small-pox	2212 1134 99	2269 1159 97	2280 1170 93	2367 1230 109	2430 1280 105	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183	2612 1509 196	2547 1511 208	

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See Table 1.) The following gentlemen have kindly placed then meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton A. W. 'reston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cane Lippincot: Esq., Bristol: E. Simpson, Esq., Worttesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool: H.O. Pilkington, Esq., M.R.C.S Preston; A. Johnson, Esq., M. Inst. C. E.. Bradford: and Mr. E. Peak, Hull

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4.

			7	HI.	RT:	y-F	OU.	RT	H W	eek of the Year 1899.									
	r the	8	In	the	Wee 6th	ek er Aug	ndin ust 1	g 1899,			r the Fears	-	Satu	n th	e <b>W</b> (	ek e	ndin gust	g 1899	
the commerce of	ges for the 10 8*.		De	aths t	of I	erso ges	nso	f			ges for the 10 8*,		D	eath	s of the	Pers Agea	onso	t	
ISES OF DEATH	Averages ok of the 1889-98*.	. 28	τ	Inde	r	under 40.	under 60.	under 80.	and 8.	CAUSES OF DEATH	Averages k of the 1889-98*,	, i	1	Unde 20.	er	ler 40.	ler 60.	ler 80.	and
	Corrected , 34th Week	ALL AGES	0-1	1-5.	5-20.	20 and un	40 and un	un pus 09	80 years a		Corrected 34th Week	ALL AGES.	0-I.	1-5.	5-20.	20 and under 40	40 and under 60	60 and under 80,	8c years a
USES	1592.9	2100	916	255	89	229	289	264	58	Diseases of Circulatory }		112	-	-	10	26	40	32	4
Vaccinated Unvaccinated No Statement	0·3 0·6 0·2 34·9 19·5 0·1	- - 52 7 -	111	39	2 1 -			111111	11111	Croup	3°1 71°5 62°9 3°7 14°3	2 75 73 2 18	20 17 - 6	-	1 3 -	- 4 8 1 1	8 12 1 2	26 9 - 5	3
rage ough	3·4 29·1 36·8 0·1 11·8 6·7 212·7 0·1	3 17 29 - 16 21 426 -	1 8 3 - 13 349 -	-9 21 - 3 49 -	5 - 61	- 8 - 5	1 - 2 2 5	- - 2 16 -	2	Dentition Quinsy, Sore Throat /- Enteritis - Gastro-enteritis - Peritonitis - Diseases of Liver - Other Diseases of Digestive System	8.8 1.5 70.6 { 7.7 28.5 31.0	9 34 215 5 39 40	6 21 172 1 3 14	- 3 26 -	- 4 2 - 2	1 4 1 3 5	3 6 2 21 4	1 3 1 11 6	2 - 1
x and Effects of all Affections	0·1 9·4 5·1	 12 5	- 5 2 1	- - 1		- 1 1	- 1 1	- 4 1		Diseases of Lymphatic System & of Ductless Glands	1.7	4	-	_	-	2	1	1	
and Septicemia ral Fever lymotic Diseases	1.6 4.1 1.3	$\frac{1}{2}$		-		1	1	-		Diseases of Urinary System }	38:5	56			3	11	20	19	3
and other Para-}	1.7 0.4	1 -	1 -	-		-	-	-	-	Diseases of Generative } System	6·1 4·6	7	-	_	1	3	4	2	-
ion, Want of)	1.8	1								Diseases of Locomotive }	4.2	6	-		2	3	-	1	0.1
t-milk 5 ism	12:0	17	-	-	-	10	6	1		Diseases of Integumen- tary System-	6.1	7	2	1	-	1	1	2	
atic Fever, matism of Heart } atism Iesenterica lar Meningitis - 3 Constitutional }	8·8 1·5 3·8 6·3 72·2 38·0 25·4 139·4 18·6 10·3	8 5 1 7 77 37 28 151 24 14	5 -26 14 2 7	- - 2 - 7 9 2 3 1	3 2485 2	2	1 2 - 34 - 59 2 2	1 2 1 32 - 10 1 5	- 1 - - 1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) In Building Operations - By Burns, Scalds, Ex- plosions	49.9	2 8 1 1 -		1 - 1	24	2 3	1 1	- - 1 -	1.1.1 (7.1
ure Birth asis ital Malforma-}	49·2 2·4 6·5 43·7	50 5 5 43	50 5 -	-	-		-	- - 21	- - 22	By Drowning - By Suffocation in Bed - By Poisonsor Poisonous Vapours - Other or not stated causes -		5 7 2 22	- 6 - 3	- 1 4	1 - 3	4 1 1 2	- - 5	- 4	1
y	35·8 7·0 42·7 75·5	41 5 38 95	35 22	- 3 12	- - 7	1	3	17 - 22 	6 1 - 1	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	~1·4 6·8 -	- 8		1 - 1	-1	1 -	-4		1 -
s of Organs of	3.2	5	1	1	3		-	-	-	OTHER CAUSES	73:7	82	76	2	-	-	1	3	-
numbers in this co	lumn are	e the	a.vei	*9.00	377	a a lz	lv d	est	he f	or the ten years 1889-98, raise	d by 5:21	3 no	r o	ant	for	in	anos		_

numbers in this column are the average weekly deaths for the ten years loss volume.

Islation.

y those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered lemen. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the feath is not certified by a registered practitioner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of t, murder, manslaughter or suicide. All such causes are classed under "accident"

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHŒA, VIOLENCE, &c., 1egistered in SUB-DISTRICT during the Week ending Saturday, 26th August, 1899. TABLE 5.

								The I	EAT	нзге	gister	ed du	ring t	he W	eekir	clud	0	
		Enume-			Dea	ths of					Death	s fro	m					1
	REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Tota BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases,	
	LONDON -	4,411,710	2,646	2,100	916	322	_	52	7	29	17		16	_	426	60	139	52
	WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	399 599 136 543 969	115 379	161 180 51 145 379	53 71 19 68 102 9	1 1 1 1 1 1	3 5 - 3 41 -	3 - 3 1	1 9 - 3 16 -	3 2 - 5 7 -	-	3 2 4 7 -	-	65 76 20 68 196	8 11 4 18 19 -	22 28 5 54 30	10016
S	WEST DISTRICTS.  t. Mary Paddington G. & W. WHH t. John Paddington H G.  Censington Town Ww W.	90,996 33,510 122,164	57 7 68	37 6 60 6	18 1 16 2	7 2 15 2		- 2				-	- 1		4 - 3 2	1 1 4 -	2 1 8 -	]
I N	From ton $HH$ W. & C. Worth Hammersmith $H$ W. & G outh Hammersmith $H$ W. & G outh $H$ W. & C.	48,301 44,638 59,561 113,781	21 28 103	16 31 81	8 17 53	- 3 5		-		1	1	-	- 1		5 9 25	- - 1	24	1
0	C. Chelsea Kensal Town - C. Chelsea North WHHHHH - C. C. C.	21,450 42,057 33,139	9 18 17	10 19 15	8 7 5	1 3 4	- - -	1 -			-	-	-	-	2 1 2	- 1	1 3	1
1 8	May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	6 16 17 7	14 37 12 2	1 14 8 1	5 -	- - -						1 -	7 1 1 1	1 4 5 1	1111	1	
		23,050 12,048	11	5 2	1 1	2 -	-	-	-	-	1	-	-	-	1 -	-	-	
1 8	NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	7 13 40 13 13	18 7 5 8 11	5 2 1 5 5	2 1 3 1 -	-					1	1		2 2 2 - 1	1 1 -	-	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
ı	$\left\{ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} \right\}$ - N. & W. Regent's Park Pancras $HH$ - W.	75,449 37,341	23	34	7	7 2	-	-	1	3	-	-	1	-	4	1	3	
0 0 0	Regent's Park Pandras $HH - W$ . Tottenham-court $MHHHH$ $MHHHHH$ $MHHHHH$ $MHHHH$ $MHHH$ $MHH$ $MH$ $M$	26,757 29,426 32,161 16,669 98,410	10 12 15 15	8 14 13 39	3 6 2	3	1 1 1 1 1	2		1	-		-		1 2 2 1 10	1 - 1	3	
1		98,273 107,365 66,549 64,577	74 40	69 39 21 27		17 4 2 5		2 -			2 -	-			6 12 9 5	-	-	
	Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HH$ E. & N. South-east Hackney $WwH$ E. & N.	213,044	$\left\{\begin{array}{c} 21\\ 30\\ 29\\ 35\\ 37\end{array}\right.$	11 15 21 20 23	8	2 1 2 5 2		- - - 1	1 1	-		1 1 1 1	-	-	3 2 4 4 4	3	2	

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which pauper received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. si, Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N River; E. East London; and K. the Kent Company.

\* See pote † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, an re-named North Hammersmith and South Hammersmith, respectively.

BLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHCEA, VIOLENCE, &c., registered in eac SCB-DISTRICT during the Week ending Saturday, 26th August, 1899—continued.

S)B-District during the Ho	on ondin		1			-8		_	_		_							
				-		1	Th	e D E					ng the	Wee	kino	lude	1 4	Les
	Enume- rated				ths of	_	1		1 .	Deatl	as fro	m		,			tution	Jo E
REGISTRATION SUB-DISTRICTS	Popu- lation 1896,	Total BIRTHS.	Тота 1 D жат н в	Infantsunder 1 Year of Age,	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid)	Simple Continued	Diarrhœa.	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes
											Ì	Ì				1		
CENTRAL DISTRICTS.		, .	-															
George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	13	3 4 1	1 1 -	2 -		-	-		-	-			1 1 -	  -	-	2 -	-
.Martin-in-the-Fields HHN.&C. rand WHH N. rand Union Workhouse, Edmonton	13,077 11,839 †1,037	1 3 -	6 6 2	1 3 -	2 - 2	-	1 1 1	-		-	-	-		3	- 1 -	1 -	5 1 2	
olborn wHHHHHHHH - N. James Clerkenwell - N. nwell Clerkenwell - N. swell-street - N. ty-road HHHL - N. nitecross-street - N. nsbury - N. olborn Union Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	23 8 23 17 32 3. 2	21 7 15 6 17 3 1	10 5 6 4 6 3	1 4 1 3			111111	1 1311111	1 111111	4 1 1,1 1 1 4	-		2 1 4 2 3 1	1 - 1	1 1	15 - 4	1
Botolph $H$ N.&E. ipplegate N. N. Sepulchre $WH$ N. lhallows Barking N. oad Street $H$ N. Ny of $London\ Asylum$ , $Stone$ -	6,870 3,299 9,591 9,059 2,892 †388	14	18 3 -	29	- 3 1 -			11111	-	-	11111	-	-	1 1	1	- 2 -	16	1
EAST DISTRICTS.  oreditch South $Hl$ - E. & N. exton New Town $w$ - N. exton Old Town - N. eggerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	5 23 19 42	7 18 12 28	4 11 5 13	- 5 1 2	1111		-	- 1	- 1		-		2535	- - 1	2	- 6 - 4	1
thnal Green North $H$ - E. thnal Green South E. thnal Green East $WHl$ - E.	49,301 34,194 45,667	53 22 26	19 12 36	9 4 10	5 2 13	-:	1 1 1		- 1	-		- 1	-	6 1 8	1 -	3 1 3	16	1
italfields E.&N. de End New Town* WH - E. odman's Fields* E.	26,681 } 51,995 {	32 27 15	9 42 4	4 3 1	2 5 1		1	-		-		1 2 -	-	1 -	5 -	1 5 -	59	1
George's North E. John, St. George East W E.	39,576 7,930	27 5	20 15	10 4	2 3	-	1	-		1	-	-	-	5 3	-	32	9	The Party of the P
adwell $H$ E. & N. tcliff $W$ E. mehouse E.	10,434 14,954 32,917	11 10 30	14 5 14	7 2 5	1 1 2	-  ,	ī	-		1	-			2 -	4	6 3 2	5	The same
de End Old Town West H E. de End Old Town East - E.	111,060	{ 41 34	22 22	9 13	5 4	-	1	-	ī		-	-	-	3 7	-	1 3	5	1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	25 54 42	14 41 25	5 11 15	303		1 1 1	-	-	ī	1 1 1	-	-	476	1 2 2	2 12 5	2 20 -	111

† Population in 1891, not included in the total population of the Central Districts or of London,
Whitechapel Church Suh-District was abolished on 1st January 1899, and divided between Mile End New Town SubDistrict and Goodman's Fields Sub-District.

ABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in es Sub-District during the Week ending Saturday, 26th August, 1899—continued.

Salar Salar	SUB-DISTRICT during the We	ek ending	Satu	raay,	Zoth	Au	gust	, 10	JJ			w.			_			
Chapman de								The D	EATI				ring t	he We	ek in	clude		80
İ		Enume-				hsof				.De	aths	from						tution
The same of the sa	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATHS.	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	ScarletFever.	Diphtheria	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever,	Simple Continued Fever.	Diarrhosa.	Violence.	InquestCases.	Deaths in Public Institutions
	SOUTH DISTRICTS.																	
designations of the	hristchurch Southwark WHL.&S. t. Saviour Southwark - S. cont-road S. & L. orough-road WH - S. & L. ordon-road HL - L. & S. 'rinity Newington - S. & L. t. Peter Walworth W - S. & L. t. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	2 6 11 16 16 15 34 18	6 6 15 13 12 10 28 18	3 7 2 5 3 11 12	211143	111111	- - 2 - 1 4 1	1111111	1	1	1111111	11111111	111111	1 2 6 2 3 2 4 7	1011111	1 2 - 1	3 - 2 -
	t. Olave $WH$ S. Sermondsey $W$ S. other hithe $WwH$ - S. & K.	11,731 85,475 40,379	8 45 18	22 31 27	12 12 8	1 3 8		2 8 1	111	1 -					- 4 7	3 1 -	3 2 -	20
Marine Committee of the	Vaterloo-road HH - L. & S. ambeth Church 1st H - L. & S. ambeth Church 2nd WW L. & S. & L. cennington 1st H - S. & L. cennington 2nd - S. & L. trixton W - L. & S. Vorwood WH L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	35 15 33 27 25 37 16	15 24 36 25 14 30 7	9 8 10 17 8 15	2 1 5 2 3 4 1	111111	1 3 1 -	1	- 2 - 1 2 -	1 - 1		- 1		2 4 9 10 5 7	13	5	2 15 17 - - 3 -
of the state of th	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	55 51 21 30 11 30	30 43 15 19 11 26	19 17 6 12 7 16	2 6 1 2 1 3	-	3 - 1	- - - 1	3	1		- - - -		6 8 3 10 2 8	2 1 - 1	1 1 1 - 1	14.
Control of the last of the las	ulwich L. & S. lamberwell Wwll - S. & L. eckham WW - S., L., & K. t. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 53 49 40	1 59 42 25	21 27 18	1 15 2 1		1 1 2	1111	-	- 1 -		- 1 -	1111	- 8 12 7	2 1 -	- 4 1 -	28
A Commence of the Commence of	Peptford North K. Peptford Central $w$ K. Peptford South K. Preenwich West $H$ K. Preenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	20 - 33 17 11 25	11 21 18 8 27	9 7 15 4 10	1 1 1 7		2 1 4	ī -	2 -	1111	11111	2		4 3 8 3 7	1 2 -	1 2 -	5 2 12
The second secon	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	2 14 35 23	6 5 29 12	4 2 16 8	1 2 2 1	1111	- 2 -	-	3 -	1 -	1111	- 1	1 1 1 1	2 1 9 4	1111		2/ 12 -
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	9 12 13 13 23	10 6 13 5 20	4 3 7 1 7	1 2 7				1	1	1111	1	1111	1 4 3 1 3	11111	1	4 - 1 - 5
The state of the s	anstead Asylum			1 1 1 2 - - 2							111111	11111		1115011	111111	1,111111	1 1 1 1 1 1 1	1 1 2 - 2
The state of the state of	Ianwell Asylum	=		1 4 1 - 8 8	And the second s	-			1		-		1117111		1	11111	11111	1 4 1 - 8 8

BLE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 26th August, 1899.

				rict REGISTRATION in Popu- I I I I I I I I I I I I I I I I I I I														
gistion rict REGISTRATION Area in Popu- H F F F F F F F F F F F F F F F F F F																		
strict and ub- strict um-		in	Popu- lation,	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever,	Diarrhœa,	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Cause
LONDON—OUTER RING - 368,749 1,422,063 1106 908 540 122 - 5 3 7 7 6 293 19 35 74 01:1 Epsom, part of * WwHH - 10,423 12,508 13 7 4 2															4			
LONDON—OUTER RING - 368,749 1,422,063 1106 908 540 122 - 5 3 7 7 6 293 19 35 30:1 Carshalton wHH - 12,228 26,108 21 10 7 1 - 1 1 2															2	1		
1:1 Godstone, part of * W - 2,754 1,598 2 2 1 1 1															-	-		
	Croydon WwHHH Mitcham w		128,699 23,072			28 12	$\frac{11}{2}$	-		-	-	2	_		- -	1	11	-
9:1 2 3 4 5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$				3 8 - 2 1			1111	-	11,11	- 1 1 1 1	6 4 - 2 3	11111	1	7	
0:1	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	20 19	22 10	15 5	2 5	-	-	-	-	_	ī	9 2	-	-	1 -	-
1:1	Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	11 11 8	15 9 13	10 8 8	3 - 2	-	1 -1	-	-	1 1 1		7 2 2			-	1 -
2:1	Bexley HHH Dartford WH, part of * -	12,540	30,590	23	20 2	14	$\frac{1}{2}$	-	-		-	1	1 -	9	1 -	1 -	$\frac{1}{2}$	-
1:1	Sunbury w Staines WH	11,054 13,277	13,671 13,221	9	3 6	$\frac{2}{1}$	$\frac{-}{2}$	-	-	-	-	- -	-	1	-	-	- 1	-
5:1 2 3	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	6 4 9	8 4 4	4 1 1	231					1 1 1		3 2 -		111		
6:1 2 3 4 5	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	23 12 22 19 25	13 11 27 10 23	6 17 6 18	4 2 2 1 1	1,111,1	11111	1,1111		1	11111	3 1 11 3 9	1 1 -	1 1	4 1 1 -	
7:1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	$\begin{array}{c} 7 \\ 2 \\ 71 \\ 10 \end{array}$	10 1 53 19	5 1 33 12	1 8 1		- 1 -	1 1 1 1	- 1 -	1 1/1 1	1 1 1 1	1 20 4	1 - 1	- 2 1	$\frac{1}{2}$	
3:1	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	6,367 14,152 25,820	5 11 10	5 3 10	2 2 7	1 1 -	-	-	-		1 - -		$\frac{1}{2}$		1 -	-	
3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	32 66 40 19 5 12	27 57 36 17 2 5	15 30 22 8 1	2 6 7 5 1 2	11111	1	11111	11111	1	1	9 13 10 7 -	- 1 1 - -	53	3 3 1	1 - 1 -
:1	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	7,737	1 2 -	1 1 1	1 1 1	- - -	-	-	-	- 1 -	-		-	-		-	-
3:1 23 4 5 6 7 :1	Stratford   H     Plaistow   WHHH     Canning Town   H     Forest Gate   w     East Ham   wHH     Leyton   WWWwH     Walthamstow   HHL -     Chigwell, vart of * HHHHH	3,266 4,334 6,501 11,779	$\left\{\begin{array}{c} 38,612\\ 58,030\\ 54,750\\ 53,511\\ 32,713\\ 70,188\\ 57,330\\ 12,941 \end{array}\right.$	36 48 39 26 72 48 61	25 39 50 25 38 61 43	15 26 26 16 29 31 30	2222393	1111111	- - - 1	- - 1 -	- 1 2 1 - 2 -	1	1 1	12 11 15 11 19 20 10	2 1 4 - 2 1 1	2 1 5 - 3 2 3 -	2 2 2 16 -	111111
2 :1 2 3	Epping WH, part of * Romford, part of * WH Barking Town, H Middlesex County Asylum, Wandsworth. N.E. Fever Hospital, Tot-	6,556 8,493 3,814	4,324 10,913 14,301	4 22 11 -	6 14 9 1	5 12 5 -	1 - 1			1		-	-	- 4 9 1 -	- - 1	- - 1	2 1 1 1	

<sup>\*</sup>The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring eas follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham de Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,329; 41: 3, Chisleburst b-district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in a stifield sub-district; 187: 1, Chigwell sub-district, except the parish of Epping op. 1,079; 139: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for 3:tious Diseases belonging to the Outer Ring in 42: 2, Dartford: 137:2. Watford: and 187: 2, Epping sub-districts.

TABLE 7, -GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS), -DEATHS and Rate of MORTALITY during the week ending Saturday, 26th August, 1899.

Charles and a				L RATE			The Di	BATH	S reg	istere	l in th	ie We	ek in	clude		
GREATER	" Area	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of				Deatl	as fro	m.			1120
LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	rom ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measies.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhea.	Violence.	Posthein Pr
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15,	
GREATER LONDON	443,421	6,528,434	24.0	6.9	3008	1456	444	-	57	10	36	24	22	719	79	6
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	24·1 23·9	6°3 8°4	2100 908	916 540	322 122	-	52 5	7	29	17 7	16 6	426 293	60 19	5

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692 845 square miles, which is equivalent the area of a circle having a radius of 14 851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

-	•		and	in certain	Foreign	N CITIES.							
		POPULATION				ANNUAL	DE	ATHS		PRI DISEA	NCIPA SES.	L ZYN	ITOI
The state of the s	CITIES.	(enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	DEATH- RATE	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoal
· · · · · · · · · · · · · · · · · · ·	EDINBURGH - GLASGOW DUBLIN CALCUTTA BOMBAY MADRAS PARIS	298,927 738,903 349,594 466,460 821,764 452,518 2,511,629	Aug. 26 " 26 " 26 July 22 Aug. 1 July 14 Aug. 19	156 481 212 - 198 332 1200	109 356 207 289 679 284 978	19·0 25·3 30·9 32·3 43·0 32·6 20·2	- - 13 2	- 12 18 - 16 4 30	1 5 2 - ? ?	- 3 - 1 ? ?	1 4 1 - ?	2 8 6 70† 134† 44 32	
	BRUSSELS AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN -	551,011 517,595 315,305 199,285 345,000	,, 19 ,, 12 ,, 12 ,, 12	257 284 192 109 180	215 151 141 79	19·9 15·2 23·3 20·6		1 . 1 . 1	-	1*	1 5 -	2 3 -	4
のと、物をはなりの事を、後をした」 これを	STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW	291,580 221,255 1,132,677 988,610	" 19 " 12 " 19 " 12 " 12	145 174 579	173 94 89 555 675	26·1 16·8 20·9 25·5 35·6	3	11 4	4 1 - 8 2	2 3 - 21 10	2 4	25 6	2 3 14 25
a like him of the last of the last	BERLIN HAMBURG DRESDEN BRESLAU MUNICH	1,818,517 675,351 394,300 406,012 445,000	,, 5 ,, 19 July 29 Aug. 19	990	788 322 - 260 197	22.6 24.8 - 33.4 23.0		22	11 - 2	7 1* - - 3*	10 6 -	4 - 1	26 11 - 8
The state of the s	VIENNA PRAGUE BUDA-PESTH - TRIESTE	1,623,134 384,622 666,722 166,599	, 19 , 19 , 12 , 5	905 230 446 121	616 168 310 96	19.7 22.7 24.2 31.0	-	10 5 2	3 5 5 3	4* 4 2 1*	2 - 1	1 2	14 4
THE PERSON NAMED IN COLUMN	ROME TURIN (10 days) VENICE CAIRO ALEXANDRIA -	505,850 344,203 171,023 570,062 319,766	July 29 , 10 Aug. 12	87	154	18.3	1 1 1	1		1 - 1* -		5§	2
The same of the sa	NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053 1,266,832	July 29 Aug. 5	1543	1444 428	21·2 17·6	-	7	4 5	24 15	12 2	10	26 6

Including deaths from croup.
 Including 4 deaths from plague in Calcutta and 64 deaths in Bombay.
 Including 43 deaths from cholera in Calcutta and 5 deaths in Bombay.
 Including 4 deaths from malarial fever.

Phases   Mean   Phases   Mean   Phases   Mean   Phases   Mean   Phases																							
Particle   Particle			Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	sea;	o su pripri	care	oum The	bles bles cions nent	and eter.	eter.	lent,	in- the	
Particle   Particle	Rain	in a Gauge	whose receiving surfaceis 5 inches	above the Ground.	in. 0.00	0.00	000	00.0	00.0	09.0	00.0	Sam 0.00	25	lofthe	he mea	wenty y	momete   minin  mn 8).	m the mrical Tabbservat	ing 1875 htgher," ermome	ectrome	nstrum	end of	
Particle   Particle		on's.	Depar-	Average of 16 Years.	Miles. - 59	- 84	62 -	- 49	- 18	- 15	-121	Sum -425	24	ean leve	P.M. T	ng the t	um and air(colt	uced fro	ears end icates", of the th	ak; m.	nshine]	M. on the	
Principle   Prin	Control   Cont		by 3h. P.																				
Particle   Particle	momete	-	L. Mean	of 24 hourly obs.	lbs.	0.0	0.0	0.1	0.1	0.1	0.0	:	- 22	ghtto r	duce t	ords m	of the	midit by Gla rom ac	rds for sind th thein	on's se gative	pbell-Seach c	9.82 in	
Particle   Particle	om Ane	line out	are Foc		lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	121	nidnig s 159 fe	s to re	value ic rece the	sading ings of tem	e of hr leters rived f g 1890	icreco e in n sedfor	homs N. ne	eCam ine on	d to 2	
Particle   Particle	luced fr	Press	- Squ	-	1bs. 1.0	6.0	8.0	1.5	3.0	5.0	0.5	:	20	from r	A.M.;	graphi luring	ean re earla ealue	degre	ometri born	rom Tive;	sunshi	erease b; and	
Particle   Particle	Windasdee	Osler's.			NNE. &	NESE.	ESE.	ESE.	ESE.	S. SSW.	ENE ESE.	જ	18	civil day, or	taken at 9h. barometer, th	of the photon	corrected mean of the mean daily	perature and wet bulb the of the air istl	of the anemal 24 it will be ge.	ed. y is derived re:-P. posit	8, derived from of bright meter incress	the 22nd; de	
Particle   Particle			General	А.М.	NNW. &	ENE.	ENE.	园	ESE.	ESE, &	WSW.,	田,	18	pply to the	as been app are usually gs of the	discussion	corrected forming the	r point temi the dry and emperature wich during	a discussion lumns 9 and i the averag ven in colun	oe determin f Electricit mployed an	in column 2 gate duratio of the baro	9h. A.M. on in. by 9h. A.	
Particle   Particle	RE,	Oftha	Earth 3 feet below	the Surface.	66.40	66.35	66.50	66.29	65.91	66.11	66.20	91.99	17	sults a	vations vations -readin	from a 1873 fo	d the	ily dev lues of erage t Green	rirom ; ling co r,"than	annot beord o	imbers e aggre	in. by to 29°94	
Physics   Phys	<b>TPERATO</b>	of ation	Lowent	Orass.	45.0	35.8	35.8	41.6	0.25	42.0	45.0	41.7	18	The re	Obserthe eye	deduced	combine thermon	mean da daily va Theav made at	In read In read In The Table Va	which con The real The Syr	The nu show th The re	to 30.16 creased	400
Phases   Manner   Control of the Air   Control of the Air   Control of the   Control of t	TEN		High	Sun's Rays.	12,5	137.0	142.1	139.9	145.2	150.5	128.9	138.4	15		-pnol								
Phases   Manner   Control of the Air   Control of the Air   Control of the   Control of t		Degree of Hu-	(Saturation	100).	18	19	64	70	65	44	29	63	14	oğ.	ning; c		ut.	z; clou	z; clou	loudle light			
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Phases   Manner   Control of the Air   Control of the Air   Control of the   Control of t	Differ	the And and Te		daily value.	0 6.1	13-7	12.3	10.1	12.4	23.2	15.9	13.4	=	NERA	ally el	cloudle	loudle	ed in e	foggrafterv	e and nall a	partia]		
Phases   Manner   Control of the Air   Control of the Air   Control of the   Control of t		Of the Dew	Mean		57.1	47.3	49.9	1.99	28.0	8.09	51.8	53.0	101	GE	; gener	fine;	fine;	revail	ly and ry fine	ry fine g: sp ards.	fine; 1		
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

## AND IN THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 35, 1899, Vol. LX. WEEK ENDING SATURDAY, SEPT. 2. Price 11d.

> General Register Office, Somerset House, September 4th, 1899.

THIRTY-THREE GREAT TOWNS.

The deathsregistered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 25.5 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Weeks ending
Towns.	Aug.	Aug.	Aug. 26.	Sept.	Towns. Aug. Aug. Sep. 12. 19. 26. Sep. 2
33 Great Towns Birkenhead - Birmingham - Blackburn -	18·6 27·0 14·7	22·2 30·0 16·2	26·7 30·7 25·5	25.5 24.0 28.6 19.7	Leicester   20·0   22·7   28·3   25 Liverpool   33·6   31·8   36·7   33 London   23·7   25·3   24·1   22 Manchester   32·3   33·7   33·
Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield-	19·4 19·2 21·1 21·0 16·0	24·0 38·3 23·6 20·8 23·0 20·1 12·8	27·3 24·1 30·9 23·7 35·5 24·1 20·8 23·0 27·9 21·9 21·2	34·3 18·5 33·7 28·9 18·8 31·4 23·0 21·3	Newcastle-on-Tyne   22·4   23·0   27·4   32   Norwich   -   23·9   27·2   23·9   23   Nottingham   -   28·1   25·3   30·1   25   Oldham   -   21·8   20·8   22·5   29   Plymouth   -   36·3   30·6   32·6   20   Portsmouth   -   27·9   32·5   32·0   32   Preston   -   24·8   27·9   30·1   38   Salford   -   28·4   29·6   38·0   36   Sheffield   -   30·3   27·4   29·5   29   Sunderland   -   17·5   18·3   32·2   29·5   Swansea   -   17·6   25·1   22·1   18·
Hull Leeds	21·4 21·3	24·7 22·6	26.3	1 1 - 1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.2 in Sheffield, and 1.8 in Burnley; from whooping-cough, 1:1 in Leeds, 1:2 in Leicester, 1:5 in Huddersfield, and 1:8 in Burnley; from "fever," 1.0 in Huddersfield, and 1.7 in Brighton; and from diarrhæa, 7.0 in Cardiff, 7.2 in Nottingham, 7.3 in West Ham, 8.6 in Oldham, 8.8 in Leicester, 8.9 in Birmingham, 9.1 in Huddersfield, 9.2 in Norwich, 9.3 in Bradford, 9.6 in Hull, 9.9 in Liverpool, 10.4 in Manchester, 10.9 in Portsmouth, 11.3 in Bolton, 11.5 in Salford, 11.7 in Wolverhampton, 13.4 in Burnley, 13.5 in Brighton, and 16.4 in Preston. In none of the thirty-three towns did the death-rate from "scarlet fever" reach 1.0 per 1000. The 61 deaths from diphtheria included 29 in London, 5 in Leeds, 4 in Liverpool, 3 in Preston, and 3 in Sheffield. One death from small-pox was registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2532 BIRTHS and 1931 DEATHS were registered. for increase of population, the births were 179 below, and the deaths 416

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained † Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Ketropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong. Ring, or to other areas to which they belong.

above the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 23.7, 25.3, and 24.1, in the preceding three weeks, further fell last week to 22.1. During the four weeks ending on Saturday last the death-rate averaged 23.8 per 1000, being 5.0 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 1931 deaths included 34 from measles, 5 from scarlet fever, 29 from diphtheria, 31 from whooping-cough, 18 from enteric fever, 368 from diarrhœa and dysentery, and 22 from cholera and choleraic diarrhœa, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 507 deaths were referred to these diseases, being 211 above the

corrected average weekly number.

The deaths from *measles*, which had been 54, 48, and 52 in the preceding three weeks, fell again last week to 34, but were 7 above the corrected average; 4 cases belonged to Islington, 4 to Battersea, and 4 to Camberwell sanitary areas. The deaths from scarlet fever, which had been 8, 8, and 7 in the preceding three weeks, further fell last week to 5, and were 14 below the corrected average. The deaths from diphtheria, which had been 26, 33, and 29 in the preceding three weeks, were again 29 last week, the corrected average being 35; 5 cases belonged to Islington, 4 to Lambeth, 3 to Bermondsey, and 3 to Greenwich sanitary areas. The deaths from whooping-cough, which had been 16, 28, and 18, in the preceding three weeks, rose again last week to 31, and were 2 above the corrected average. The fatal cases of *enteric fever*, which had been 12, 11, and 16 in the preceding three weeks, further rose last week to 18, and were 7 above the corrected average; 2 cases belonged to Kensington, 2 to Shoreditch, 2 to Bethnal Green, and 2 to Battersea sanitary areas. The deaths from diarrhæa, which had been 463, 481, and 426 in the preceding three weeks, further fell last week to 368, but were 201 above the corrected average. Of the 368 deaths from diarrhœa, 338 were of children under 5 years of age; 199 more deaths at this age-group were described as due to gastroenteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 163, 148, and 169 in the preceding three weeks, fell again last week to 131, and were 12 above the corrected average. One death was attributed directly to influenza, the numbers having been 3, 4, and 3 in the preceding three weeks.

Different forms of violence caused 60 deaths, concerning all but 2 of which inquests were held. Of these 60 deaths, 9 were cases of suicide, while the remaining 51 were attributed to accident or negligence. Five of these were referred to vehicles in the streets, 8 to drowning, 2 to sunstroke, and 7 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2537 cases of scarlet fever, 1502 of diphtheria, and 213 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 252 cases, against 227, 245, and 225; of diphtheria, 176 cases, against 148, 172, and 188; and of enteric fever, 29 cases, against 42, 38, and 28.

GREATER LONDON.

In Greater London 3585 births and 2768 deaths were registered, corresponding to annual rates of 28.6 and 22.1 per 1000 of the estimated population. In the Outer Ring 14 deaths from measles, 10 from diphtheria, 10 from whooping cough, 4 from "fever," and 248 from diarrhæa were registered. Four deaths from diphtheria and 81 from diarrhæa occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.652 inches, and that of the Thermometer 63.5; the latter being 3.3 above the week's average in the 50 years 1841-90. The direction of the wind was W.S.W., the horizontal movement of the air being 2 per cent, above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 53.4 hours; the measured rainfall amounted to 0.29 inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarle Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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	ersons aged 60 Years abrawqu bn		5.	834	339	14	t-	17	16	00	19	6	9	11	77	6	13	9 1	-	ري 10 م	2 12	40	17	16	m -	4 4	ıc	000	21	36	32	02 5	3 '	0 00	3
200	ofants unde l Year of Age.	al .	4	2555	805	65	. 24	38	47	18	99	200	17	53	146	63	22.00	22 22	70	42.5	54	152	92	£ :	45 94	33 8	96	15	99	59	98	29	38	20	200
.esor nd	DEATHS.		eri l	5571	1931	119	46	81	119	40	114	103	25	69	282	52	103	LIS Rd	±5	53	104	318	154	98	2 2	98	50	40	119	162	202	123	81	143	C#I
as nuz	BIRTHS.	-	1	6657	2532	148	22	52	92	09	185	95	55	40	386	64	132	921	3	69	97	369	159	43	φ. τ	6.	35	42	110	257	245	141	107	155	707
estimated	middle of the Year 1899,*		A.s.	8	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	185,826	103,722	88,821	514,956	113,266	128,812	106,202	101/001	115,162	162.221	543,902	218,244	150,772	113,081	117,622	103.464	97.721	236,241	423,889	361,169	234,270	145,613	106,552	720,027
CLTIES	BOROUGHS,	8.00	OOTD.	33 TOWNS -	LONDON	WEST HAM	CROYDON	BRIGHTON	PORTSMOUTH -	PLYMOUTH	BRISTOL	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH -	LEICESTER	DEBRY	- Carre	BIRKENHEAD -	BOLTON	MANCHESTER -	SALFORD	OLDHAM	BURNLEY	PRESTON	HUDDERSFIELD -	HALIFAX	BRADFORD	LEEDS	SHEFFIELD	HULL	SUNDERLAND -	NEWCASTLE -	

, TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-FIFTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
FOTAL <b>Births</b> Males Females -	2425	2614	2555	2462	2616	2704	2617	2651	2468	2650	2710·5	2532
	1240	1274	1261	1270	1325	1428	1328	1346	1259	1371	1378·5	1331
	1185	1340	1294	1192	1291	1276	1289	1305	1209	1279	1332·0	1201
TOTAL <b>Deaths</b> -  Males Females	1263	1659	1299	1356	1566	1198	1336	1369	1452	1898	1514·6	1931
	660	883	679	689	821	622	692	746	748	977	790·8	996
	603	776	620	667	745	576	644	623	704	921	723·8	935

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirty-fifth week of the ten years 1889-98, raised by 5.213 per cent. for increase of population.

· TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS To in the Last THIRTEEN WEEKS.

* i	n Hos	PITA	LS, in	the L	ast T	HIRTI	GEIN W	EERO	•			-	
	June 10.	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug. 5.	Aug.	Aug. 19.	Aug. 26.	Sept 2.
TOTAL Births	2445	2571	2422	2441	2484	2351	2444	2494	2577	2214	2671	2646	2532
TOTAL Deaths	1365	1316	1355	1297	1310	1387	1589	1884	2200	2068	2208	2100	1931
$\begin{array}{c} \text{Ages at} \\ \text{Death} \\ \text{Death} \\ \end{array} \begin{pmatrix} \text{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20 \text{ ,,} & - & - \\ 20-40 \text{ ,,} & - & - \\ 40-60 \text{ ,,} & - & - \\ 60-90 \text{ ,,} & - & - \\ 80 \text{ years and upws} ^{\text{o}}\text{ds} \\ \end{pmatrix}$	281 218 79 197 264 269 57	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74
Deaths from— Small pox Scarlet Fever Diphtheria Whooping-cough - Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery . Cholera	1 93 5 28 27 - 7 - 12	64 7 35 35 6 12	- 65 4 28 35 - 6 - 9	51 11 25 26 - 11 - 20	50 12 31 27 - 7 28	1 48 4 37 26 - 6 - 75 2	-46 8 42 20 - 8 - 185 7	- 56 5 35 19 - 13 - 350 12	60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 - 463 21	48 8 33 28 - 11 - 481 16	52 7 29 18 - 16 - 426 21	3- 29 3. - 16 - 360 2
All the above Diseases -	173	159	148	144	155	199	316	490	648	600	625	569	50
Dis. of Respiratory System—Phthisis—————————————————————————————————	216 141 110 80 156 467	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	13 14 11 6 13 48
TEMPERATURE OF THE AIR.  Mean of Highest readings - Mean of Lowest readings -	61·1 73·3 49·1	56.3 69.3 <b>45.1</b>	60.7 69.7 53.7	62·3 73·1 53·8	62·3 71·9 54·3	66·2 77·7 56·9	70°2 83°2 57°9	64.8 75.4 55.3	67.5 78.8 57.3	63.8 74.6 55.7	66.5 77.4 57.2	68.4 79.8 53.6	63° 74° 55°
Humidity of the Air	64	67	73	68	71	67	58	67	69	73	64	63	7
Rain-fall(in inches)	0.00	0.00	0.51	0.74	0.13	0.09	0.06	0.97	0.09	0.03	0.00	0.00	
Registered Sunshine (in hours)		68*0	26.2	43.9	31.4	49*4	71.0	63.6	79.7	54.9	49.4	74.8	53
CASES OF INFECT	rious	SICKN	ESS IN	Hos	PITALS	5* ДТ ′	THE E	ND OF	EACH	WE	EK.		
Small-pox	2269 1159 97	$\begin{bmatrix} 1\\ 2280\\ 1170\\ 98 \end{bmatrix}$	2367 1230 103	2430 1280 105	2530 1347 94	2602 1434 99	1488	1545	2704 1526 158		1508	1512	150

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed the insteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brightor A. W. 'esston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., L.L.D., Plymouth; R. C. Cann Lippined Riq., Sristol: E. Simpson, Esq., Wrottosley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., an P. Bobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C. Preston; IA Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull

LONDON,-DEATHS Registered at several groups of Ages from different CAUSES in the BLE 4. THIRTY-FIFTH Week of the Year 1899

				TH	IRT	Y-1	FIF	TH	We	ek of the Year 1899.									
	r the years	Sa	In	the	Wee	k en epter	ding	159	9.		r the years	Sa	turd	n the	e We	ek e lepte	nding	1899	9.
	ges for the 10 18*,		De		of P	erso:	nso	£			f.01		De			Perso	nso	f	_
SES OF DEATH	Averages sek of the 1889-98*,	SS 53	ס	nder 20.		under 40.	under 60.	under 80.	and s.	CAUSES OF DEATH	Averages to of the 1889-98*,	92	τ	Jnde 20,	r	under 40.	under 60.	der 80.	bus
	Corrected A	ALL AGES	0-1	1-5.	5-20.	20 and un	40 and un	and	80 years supwards.		Corrected 35th Week	ALL AGES	0-1.	1-5,	5-20.	20 and un	40 and un	60 and under	Sc years
USES	1514.6	1931	805	265	80	181	261	265	74	Diseases of Circulatory } System }	106.9	114	-	1	5	14	40	49	5
Vaccinated - Unvaccinated No Statement Fever	0.5 0.7 0.1 26.5 18.9 0.1	34 5 -	91	24 3	1	111111	1	1 1 1 1 1 1	111111	Croup	3:1 67:2 53:1 5:2 14:1	1 39 76 4 11	11 16 -	1 4 22 -	55	1 6 2	2 15 2 2	14 11 -	7 1 - 3
za	3·8 29·1 34·8 0·3 11·4 6·7 166·8	1 31 29 - 18 22 368 - -	18 5 - 11 276 -	12 19 - 1 5 62 -	1 5 - 1 1 7 -	14	- 224		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Dentition Quinsy, Sore Throat - Enteritis - } Gastro-enteritis - } Peritonitis Diseases of Liver Other Diseases of Digestive System	6.5 1.5 64.3 6.2 25.9 35.0	7 1 31 212 4 37 37	7 -10 153 2 3 11		1 3 - 3	- 2 2 1 4 6	- 6 3 19 4	- 4 5 1 11 7	1 - 3
x and Effects of and Affections— al Affections— a and Septicæmia	0·1 12·1 3·8 1·9	- 1 9 3 1	- 1 7 -	- 1 -	- - - 1	- 1 1	- - 1		- - 1	Diseases of Lymphatic ) System & of Ductless Glands	2.5	6	2	-	-	2	1	1	_
ral Fever Zymotic Diseases	5·2 1·1	4 -	1	1 1	-	4	-	-	-	Diseases of Urinary }	42:7	44		1	-	8	13	19	3
and other Para-}	1:5 0:3	1	1 -	1 1		-	-	-	-	Diseases of Generative } System Accidents of Childbirth-	5°6 4'9	2 6	-		_	1	1 2	-	-
ion, Want of	7,0							-	•	Diseases of Locomotive }	5*8	6	1	3	1	-		1	-
t-milk }	1·8 9·5	1 14	-	-	-	4	9	1	-	Diseases of Integumen-}	6.8	5	1	_	-	1	1	1	1
atic Fever, matism of Heart atism s Mesenterica ular Meningitis - s a, Tuberculosis - Constitutional sea	7·0 1·4 2·0 4·6 70·2 37·7 24·2 148·0 20·8 11·9	4 -2 6 79 28 33 140 24 7	- - - 19 18 3 6	- 2 - 5 7 5 6 1	2 - 2 3 6 11 5 2	1 - - 9 1 2 56 2 2	- - 29 - 56 2	1 - 36 - 9 2 1	3 - 1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	011 1 m	2	1	ī - -	21	1 -	111 1 11.1	111111
ture Birth asisital Malforma-}	48.2 3.1 7.3 38.4	51 4 7 50	51 7 -	1 1 1 1		-	- - 1	- - 26	- - 23	By Drowning By Suffocation in Bed - By Poisonsor Poisonous Vapours Other or not stated causes	-	8 7 3 23	- 7 - 2	1	1	2 - 4	1 1 6	-1 1 6	- 2
xy sions Diseases of Brain vervous System	38.5 6.8 39.6 74.5	28 11 41 74	- 35 14	5 9		11	3 -	17 5 - 19	3 - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1:3 8:5 0:1	9	1 1 1	111	- 2 -	3	-4		1 1 1
s of Organs of al Sense	3.1	3	-	-	1	2	-	-	-	OTHER CAUSES	72*3	94	84	3	-		6	-	1
numbers in this co	lumnor	o tho	0.770	10.0	-	م م آلا	1-n -2	4	Jan 6	or the ten years 1889-98, rais	- 1 1 - 540	10		4					_

numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase

y those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered I men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the I death is not certified by a registered practitioner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of it, murder, manslaughter or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHERA, VIOLENCE, &c., legistered in SUB-DISTRICT during the Week ending Saturday, 2nd September, 1899.

							The I	EAT	HS reg	rister	ed du	ring t	he W	eekin	elud	8	
	Enume-			Dea	ths of				1	eath	g from	m.					
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Tota BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence,	Inquest Cases.	1
LONDON -	4,411,710	2,532	1,931	805	339	_	34	5	29	31	_	18	-	368	60	134	48
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	359 526 124 471 1,052		118 159 37 149 340 2	50 87 17 66 105		2 8 -4 20 -	1 - 2	1 10 1 1 16 -	10 10 8 1	-	3 3 2 1 9	-	59 82 7 61 159	11 16 5 8 19 1	28 29 8 24 44 1	6 10 4 9 13 4
WEST DISTRICTS. St. Mary Paddington $G$ & W. $WHH$ St. John Paddington $H$ $G$ .	90,996	58 8	45 2	23 1	12	-	-					1	_	11	-	2 -	
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	54 13	42 7	16 3	13 1	-	2 -	-	-	1 -	-	-	-	2 1	1	4	1
North Hammersmith $\dagger H$ W. & G South Hammersmith $\dagger H$ W. & C.	44,638 59,561 113,781	21 37 66	8 19 68	4 10 38	1 1 3	- - -	-	- - 1	- 1	111		1 - 1	-	1 5 26	1 1 3	3 1 6	1
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH - C.	21,450 42,057 33,139	15 18 12	6 25 8	4 6 1	5 2	- - -	-			- 1	-	-	-	3 2 1	- 3	1 3	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	3 19 11 6	5 15 12 6	1 3 3 1	4 5 3 -				-		-		- 1,1 -	- 32	- 1 -	1 2 3 1	
$\left\{ egin{array}{ll} { m St.JamesWestminster} \ { m N.\&G.} \ { m St.AnneSoho} & HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH$	23,050 12,048	14 4	4 2	2 2		-	-	-	-	-	-	-	-	1	-	-	
NORTH DISTRICTS.  All Sonis Marylebone   - W. Rectory Marylebone W G. & W. St. Mary Marylebone G. & W. HHHH Christchurch Marylebone H - W. St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	15 7 25 13 24	15 2 6 5 9	3 1 - 1 4	2 1 2 2 2				1 1 1 1 1 1	2	1 1 1 1 1	2		1 1 1 - 2	1	2 1	
$\begin{array}{ccc} \text{Hampstead} \\ WwHHHH \\ \end{array} \begin{array}{c} \text{- N.\&W.} \end{array}$	75,449	23	29	8	5	-	-	1	2	-	-	-	-	8		1	1
Regent's Park Paneras $HH$ - W. Tottenham-court \ - N.&W. Gray's Inn Lane $HHH$ - N. Somers Town $HH$ N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	13 5 12 21 6 56	10 12 6 12 15 45	3	2 1 1 2 3 8		- - - 2 1			- - 1 - 2		1 1 1 1 1		3 4 1 4 1 6	1 - - - 1	1 4	A THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
Upper Holloway	107,365	73 34	73 48 14 23	23	18 7 3 4		1 1 1 1 1	1 1 1	1 - 1	3 1 -		1 1 1 1	1 1 1 1	8 12 4 8	5 1 - 1	8 2 - 1	-
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	( =10,011	1 12	8 10 19 32 25	6 7	2	1 1 1 1 1		-	6 -	1 -				4 3 1 5 5	- 1 4 1	1 1 5 2	-

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; I—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. signand Junction Company; W. West Middlesex; G. Chelsea; G. Southwark and Vauxhall; G. Lambeth N. River; G. East London; and G. the Kent Company.

See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

LE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SJARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each Sub-District during the Week ending Saturday, 2nd September, 1899—continued.

SUB-DISTRICT during the We	ek endin	ig Sat	uraay	, 211	a se	pter	n bei	1, 18	199-	-con	tinu	ed.						
				_			1	he D	EATE	ISreg	istere	d duri	ng th	e Wee	kina	lude		
	Enume-			J.—	aths	- 1				Des	ths f	rom				-	tutione	of
REGISTRATION SUB-DISTRICTS	Popu- lation. 1896.	Total BIRTHS,	Total DEATHS	Infantsunder 1 Year of Age	Persons aged 60 Years	and upwards,	Measles	Soar ot Deve	Dinhthodo	Whooning course	Tynhus	Enteric (or Typhoid)	Simple Continued	Diarrhoes,	Violence	InquestCases	Deathsin Public Institutions	Uncertified Causes
CENTRAL DISTRICTS.																		
George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	12 8	1 9 3	1 2 1	6	-	-	-	-			-	111	·ī	-	-	6 1	1.1.1
Aartin-in-the-Fields HHN.&C. und WHH N. und Union Workhouse, Edmonton	13,077 11,839 †1,037	-2 3 -	8 5 1	2 3 -	31-	-		-	-	-	144	-		111	ī -	1 2 -	5 - 1	1 1 1
born wHHHHHHHH - N. Tames Clerkenwell - N. well Clerkenwell - N. well-street Nroad HHHL N. tecross-street - N. born Union Workhouse,	31,042 15,777 34,356 16,069 29,697 7,595 4,035 †892	18 11 19 10 28 3 1	25 8 6 5 11 - -	85326	1 1				1	111111			Man Man Man Man Man Man Man Man Man Man	3 - 2,	1	1 - 1	17	111111
Botolpl.* $BH$ N.& E.  pregate N.  sepulchre $WH$ N.  tallows Barking N.  of London Asylum, Stone	9,762 <b>3,2</b> 99 <b>9,5</b> 91 9,059 †388	6	5 1 14 1	2 - 2	2	-		-			-	1		- 1	1 1 23 1 1	2 2 2 1	14	11111
EAST DISTRICTS.  reditch South $Hl$ - E. & N.  ton New Town $w$ - N.  ton Old Town N.  gerston $WH$ N. & E.	17,975 29,575 27,645 47,163	12 21 18 26	6 26 14 34	2 15 8 16	1 5 2 7	1111			-	- - 1	1111	1 -	-	1635	1	2 2 1 1	7	1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	49,301 34,194 45,667	25 22 25	12 13 27	5 7 7	1 7		- 1.	-	1 1 1		-	-		3 1 2		1	14	1
alfields E.& N. End New Town; $WH$ - E. alman's Fields; E.	26,681 51,995 {	16 17 7	3 30 10	1 6 4	1 6 2	-	11			- 1		-	-	- 2	2 -	- 6 -	29	1 1 1
eorge's North E. bhn, St. George East W E.	39,576 7,930	37 11	13	7 3	2	-	1	-	-	1	-	-	-	1	-	1	1	1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	4. 20	11 3 12	6 1 7	- 1 1	-	-		-	- 1	-	-		1 2 2	- 1	1	8 -	111
End Old Town West $H$ E. End Old Town East $\left. \begin{array}{ccc} & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\$	111,060	{ 46. 34	12 32	15	1 9	-	7-	-	1 -	- 1	-		-	1 7	1	2	9	1.1
l - E. ar WW E.	41,687 69,821 57,759	<b>3</b> 9 51 33	44	10 14 11	3 12 5	-	1 -	-	-	1 1	-		- 1	626	2	4 1		I I I

\* The Sub-Districts of St Botolph and Broad Street were united on 1st September 1899.
† Population in 1891, not included in the total population of the Central Districts or of London.
hitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5. LONDON.--POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 2nd September, 1899—continued.

SUB-DISTRICT during the Wee	on charing	Sworth	100,		F	_	_	_	H8 reg				he W	ekin	clude	3	
	Enume-			Deat	hsof				D	eaths	from						ations
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBIRTHS,	Total DEATHS.	Infantsunder 1 Year of Age,	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheris.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhœa.	Violence.	InquestCases.	Deaths in Public Institutions
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	3 6 13 8 21 31 40 23	6 6 12 10 7 10 22 13	3 1 5 5 2 6 12 7	1 4 - 1 2 1		1 2 - 1 1	1111111	1111111	1 1 1 1 1 1 1	1,111111			2 2 5 4 2 1 5 1	1 1 1 - 1 - 1	- 1 1 1 1 4	2 - 1 - 1
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	8 59 27	22 32 19	16 9	1 4 1		1	-	1 -	-		1 -	-	2 7 3	3 - 1	4 - 1	13 - 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,386 18,770 40,994 52,486 43,244 81,825 29,318	25 12 28 40 22 38 12	14 15 32 12 21 34 8	4 2 14 7 12 11 6	188885	111111	1 - 2		2 -	111111	1111111			4224534	2	23 2 -	4 9 17 2 - 5 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	59 52 28 42 11 38	23 47 16 17 5 34	9 13 8 11 1 16	3 11 1 1 1 3		2 2	11111	2	2		1	11111	6 1 2 5 1 10	- 2	1243	17 1 1 4
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	3 46 60 43	2 53 29 26	20 20 20 19	12 2 3	1 1 1 1	- 1 1 1		1111	1	1111	1111	1111	7 11 7	1 - 2	1 2	22 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	29 24 18 15 21	21 27 9 13 27	12 11 2 8 11	1 2 3 1 9	11111	1		5	- 1 -		31		2169159	1	3 2	7
Eltham $wH$ $K$ . Lee $H$ $K$ . Lewisham $WwH$ $K$ . Sydenham $H$ $K$ .	5,911 24,222 38,139 37,601	3 15 27 25	10 31 7	3 6 17 3	1 6 1	1111		1 -	4 -	1 1 -	-	1,1,1	-	4 9 2	- 1 -	2 -	111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	8 15 16 7 31	6 8 10 8 22	1 4 3 3 13	1 2 - 2 2	11111	- 1 -		2	- 1 - 1		1.101.1,117		2 4 3 2 6	- - - 1	1	2 - 2
Banstead Asylum Condon County Asylum, Epsom - Caterham Asylum Cane Hill Asylum			3 - 1 - 3 6 16 2 - 17		-	11111111111		1	-	1			11-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		1	1	1

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSI, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday. 2nd September. 1899.

								The	DEA	THS	regist	ered i	n the	Week	inch	ıde		
			Enume-		m	Deat	hsof				Death	as from	m.				9	88
	REGISTRATION SUB-DISTRICTS,	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Feyer.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
N	DON-OUTER RING -	368,749	1,422,063	1053	837	457	123	-	14	1	10	10	4	248	12	38	58	9
	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	14 9	12 9	8 4	3	-	2 -	ī	-	-	_	2 2	-	1	$\frac{1}{2}$	-
ı	Godstone, part of * W -	2,754	1,598	2	-	-	-	-	-		-		-	-		-		-
	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	70 <b>16</b>	58 14	31 7	9	-	-	-	1	2 -	-	18 5	1	5 1	2	-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	21 27 6 6 15	23 27 5 5 8	14 16 2 2 5	3 4 - 2	11111	ī -	11111	- 1 1	11111	- 1 - -	3 11 2 - 2	1	1 1 -	2 6 1	1
	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	13 9	12 6	2 4	4 2		-	-	-	-	-	2 3	1	1	4	1
-	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	13 1 10 10	16 5 6	8 3 3	1 -	1 1 1	1 1 1	111	1 1	1 -	1 -	4 2	1 1 1	1	3 -	2
	Bexley HHH Dartford WH, part of * -	12,540	30,590	17	29	16 -	2 2	-		-	1	1 6	-	6 2	-	1	-2	1
	Sunbury w Staines WH	11,054 13,277	13,671 13,221	7 5	8 4	4 2	4	-			 		-	4	-	-		-
-	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	4 2 4	6 4 4	2 1 4	1 1 -		1 -		-			2 - 2	1 -	1		
-	Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	13 10 29 17 31	21 6 18 6 21	12 3 11 4 8	4 2 1 3		3	1111	- - - 1		-	6 3 8 2 7	- 1 1	- 1 - 1	5 1 -	1
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	11 4 72 14	7 3 42 13	3 33 5	3 - 2 1		- 2 1		-	1	-	3 15 4	- - 1	- - 1	- 1 1	
-	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	6,367 14,152 25,820	3 10 22	4 2 14	1 - 5	1 1 5	-	-	-	-	-	-	1 2	1 1 1			-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	48 52 30 27 3 4	30 49 30 26 1 4	15 24 16 13 - 3	7 6 7 5 -	11111	-		-	- 1 - -		7 8 7 9 -	1	1 7 1 - -	32111	
-	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	6	2	1			-	-	-	-	-	1			1 1 1	-
	Stratford H Plaistow WHHH Canning Town H Forest Gate w East Ham wHH Leyton WWWH Walthamstow HHL	3,266 4,334 6,501	38,612 53,030 54,750 53,511 32,713 70,188 57,330	24 55 42 27 63 49 60	21 31 39 18 38 50 43	15 16 23 11 26 24 26	2 3 2 2 12 4		1 1 - 2		1 1 1	1 1 - 1 1		12 8 14 8 16 13 10	1 - 1	2 1 2 2 1	1 3 2 - 12 2	
	Chigwell, part of * HHHH Epping WH, part of *	11,779	12,941	6	6	3 -	-	-	-	-	-	-	-	1 -		-	1	
	Romford, part of WH - Ilford - Barking Town, H - Middlesex County Asylum, Wandsworth.	6,556 8,493 3,814	4,324 10,913 14,301	5 20 16 -	13 12 2	2 7 6	2 2 2			-	-	- 1, 1 - 2	1 1 1 1	232	1 1 1 1	1111	- 2	

he parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring sholws: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham arily in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislchurst listrict, except the parishes of Chelsfield, Cudham, and Knockholt (pp. 3,087); 135: 1, the parish of Northaw in eld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday. 2nd September, 1899.

												_	_				_
-				ANNIIA	L RATE			The DE	ATH	s regi	stered	l in th	e We	ek in	clude		
		Area	Population estimated	of MOR	TALITY Diving.	DEATHS	Dea	ths of				Death	ıs froi	m.			ablic
	GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	rom ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.	Deaths in Pr
li	Cols.	1.	2. ;	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.	1
ı	GREATER LONDON	443,421	6,528,434	22.1	6.2	2768	1262	462	_^	48	6	39	41	22	616	72	54
	INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	22·1 22·0	5·6 7·6	1931 837	805 457	339 123	-	34 14	5	29 10	31 10	18 4	368 248	60 12	48

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent t the area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

•		ana	in certain	LOREIGN	CITIES.							
	D				ANNUAL	DEA	ATHS	FROM	PRIN DISEAS		LZYM	OTI
	POPULATION (enumerated	DATE OF RETURN.	BIRTHS.	DEATHS.	DEATH-	OX.	200	t .	ria.	Whooping- cough.		eal
CITIES	or		Exclusive	of Stillborn	Per 1000	Small-pox.	Measles	Scarlet Fever.	Diphtheria	opi	Fever.	Diarrheal
	estimated).	Week ending	LACIUSIA	1	living.	ma	Me	S C E	iph	CO CO	F	) iar
						02		1	1 0			H
EDINBURGH -	298,927	Sept. 2	168	132	23.0	_	1		1	4	1	
GLASGOW	733,903	, 2	11	372	26.4	-	5	5	1	8	6	
DUBLIN -	349,594	,, 2		205	30.6	-	14		1	3	4	
CALCUTTA	466,460	July 29	-	255	28.5	-			1	٠ ـــ	86†	
BÖMBAY "	821,764	Aug. 8	11	571	36.1	6	-11	- 3	. ?	. ?	128†	
MADRAS	452,518	July 21	316	308	35.3	1	7	. 3 -	3	?	71	1
PARIS	2,511,629	Aug. 26	1100	1019	21.9	-	26	2	3*	1	28	1
BRUSSELS	551,011	,, 26	239	199	18.4	-	. 3	2	1*	1-	1	
AMSTERDAM -	517,595	,, 19	285	134	13.5		-	. ~	-	1	-	
ROTTERDAM -	315,305	, 19	220	133	22.1	-	-	-	1	1	- 1	
THE HAGUE -	199,285	., 19	107	75	19:6	-	_	-		-	- 1	
COPENHAGEN -	345,000	,, 26		176	26.6			- 1	4	2	1	
STOCKHOLM -	291,580	,, 19	11	99	17.6	-	-	-	7*	-	1	
CHRISTIANIA -	221,255	,, 26	123	91	21.4	-	7 <b></b>	- 1	_	-	1	1
ST. PETERSBURG	1,132,677	,, 19	1)	502	23'1	1	13	- 5	17	6	32	
Moscow	988,610	,, 19	-	619	32.7	1	8	2	3	1	4	2
BERLIN	1,818,517	,, 12	914	804	23.1	,÷	24	7	6	5	-	3
HAMBURG	675,351	,, 26	11	306	23.6	-		~ 1	4≑	7	1	1
DRESDEN	001,000	July 29	11	990	-	-	'-	-		-	-	
BRESLAU	406,012	Aug. 26	11	236 195	30.3	-	-	1	-	1 2	2	
MUNICH	445,000	,, 19			22.8	-	_		-			
VIENNA	1,623,134	,, 26	13	585 128	18.7		. 5	2	5*	2	1 2	1
PRAGUE BUDA-PESTH -	001,022	19	1	274	17·3 21·5	_	1 3	9	3	1	4	
TRIESTE	166,599	,, 15		84	26.2	_		3	3 1≈		-	
ROME	505,850		II.	146	15.1				1		6	
TURIN (10 days)	344,203	July 10		-	1101		_	_	1	_	-	
VENICE -	171,023	Aug. 19	11	77	23.5		-	-	.1*	-	3	
CAIRO	- 570,062			-		-		_		-	-	
ALEXANDRIA -		_		-	_	-	-	-	-	-	-	
NEW YORK												
(including BROOKLYN)	3,550,053	Aug.	5 1611	1245	18.3	-	8	-5	19	15	15	1
PHILADELPHIA	1,266,832	,, 1	2   -	445	18:3		-	2	8	3	9	
						H		1				

Including deaths from croup.
 Including 12 deaths from plague in Calcutta and 75 in Bombay.
 Including 37 deaths from cholera in Calcutta and 2 in Bombay.

									M	lete	orou	ogic	<i>11</i>	Obser	rvatio	ons.							45
		Ozone,		_	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	808	ns of bulb tions	the or is	The negn	bions nent	eter,	eter.	nent,	de-	for.
Rain	collected in a	Gauge whose receiving	surfaceis 5inches above the Ground,		0.00 0.00	0.15	90.0	0.01	0.03	10.0	0.04	Sum 0.29	25	el of the	The means of the wet bulb of corrections	wenty y 1868 for rmomete d minir	umn 8). om the n	observating 1875	ermom	lectrom	Instrum of the w	ug. 23th; ug. 31st; of the w	or week,
		on's.	Departure from Average of 16 Years.		Miles,	9 +	+ 43	+111	99 +	+107	+ 37	Sum +374	24	iean leve	n. P.M. 7	ing the tending all the	air (colucted fromes	nof the prizonta ears end icates	oftheth	ering E.	unshine	A.M. on A the end	Mean f
rB,		Robinson's.	Horizontal Movement of the Air on each Day.		Miles. 242	247	287	358	316	360	293	Sum 2103	23	nidnight ve the n	f.,and 91 mometer 1e applic	ade dur v years e dry b maxin	reofthey y areded isher's H	liscussionate of her the 16 year of the 18 year of	lexerror	olf-regist; w. we	tokesStay.	oy su. A., in. by 7h. 972 in. by	9.873 in.
nometer		90	Mean of 24 hourly obs.		1bs. 0.2	0.5	0.5	0.4	0.3	0.4	0.3	:	22	htto retabo	3h. P. A	rds m wenty of th	midit	and the	thein	n's se	each do in. at	29.76 jed to 2	ead 29
от Апе		Pressure on the Square Foot.	Least.		10s. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	idnig 159 fe	oon; bulb value	c reco the t ading ings	of tem	ivedforging 1890, crecording me	edfor	homsc N. neg	Camp ne on m 29.8	ased to	0 in.,
nced fro		Pressi	Great-		108. 4.5	7.5	2.2	4.4	4.5	3.6	4.0	:	202	rom n eter is	A.M.; 1 te dry daily	raphi uring an re	alue o degree rmom	natder ending metri borne	orrect	rom T	m the	; incre	7 29.86
Wind as deduced from Anemometers	Osler's.	General Direction.	Р,М,		WSW.,SW.	WSW. &	SW. &	WSW. &	SW. &	W. WSW.	WSW. &	W.	19	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 159 feet above the mean level of the sea; so correction has been applied to the readings to add not be conjument.	Observations are usually taken at 9h. A.M.; noon 3h. P.M.; and 9h. P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections	nequence and augression of the photographic records made during the fwenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum	Lactumoneters, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humility are deduced troon the mean daily values of the dry and were built thermometers by Glaisher's Hydrometrical Tables.	Theaverage temperature of the air is that derived from a discussion of the observations made at dreen wich during the 50 years ending 1800, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. In, reading, columns 9 and 24 it will be borne in mind that + indicates "Addres" and	<ul> <li>- "tower" than the average.</li> <li>The valuesgiven in column 17 arenot corrected for the index error of the thermometer, which cannot be determined.</li> </ul>	The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; strong; and v. variable.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument show the aggregate duration of bright sunshine on each day.  The reading of the barometer decreased from 25/30 in. at the beginning of the week.	ereased to 2963 in. by 4h. A.M. on Sept. 1st; and increased to 2972 in. by the end of the week.	Aug. 26th-Mean Daily Reading of Barometer, for 29'860 in, read 29'873 in. Mean for week, for
		Generall	A.M.		E. ESE.	SW SW	WSW.	SSW. &	WSW.	WSW.	WSW.,SW.	WS	18	pply to the of the cistern	are usually igs of the b	r the baron With the	forming the w point temp the dry and	emperature wich during a discussion dumns 9 and	- "tower," than the average. The valuesgiven in column! which cannot be determined.	The record of Electricity The symbols employed are s. strong: and v. variable.	in column 2 gate duratio of the baro	in. by 3h. P.M in. by 4h. A.J	Reading of 1
RE,		Of the Earth	below the Surface,	0	19.99	09.20	66.52	66.36	20.99	18.29	65.51	81.99	17	esults a eight o	vations -readir neter,	1873 for neters.	neters, aily dev	Green Green ir from ding co	aluesgi	beord o	umbers e aggre eading	to 29.63 to 29.54	Daily
TEMPERATURE,	94	tion	Lowest on the Grass,	0	44.1	49.5	42.6	6.09	48.8	50.3	44.6	47.3	16	The r The h	Obserthe eye	ending thermol combine	thermor mean da daily va	Thear made at of the ai	$-\frac{1000}{100}$	The re The sy:	The n	creased	-Mean
TEM		Rad	Highest in Sun's Rays.	0	141.7	138.9	9.86	138.2	119.0	132.0	136.8	129.3	15		with			eloud till Thunder-					ug. 26th
	Degree	midity (Satu-	equals 100).		19	92	98	29	02	64	02	71	14	or or	Cloudy at night, with m. P.M.	partially cloudy till noon; th frequent thunder-showers the afternoon; very fine and	ods bi	4 <u>-</u> 4	Fine and partially cloudy, with occasional lowers. Bright solar halo in forenoon,	with I	ight, cloudy with rain afterwards, Fain Oar halo observed at 9h, 15m, A.M. Cloudy with rain in early morning ariable, with frequent showers till evening	loudless at night. Lightning and thunder bout lh. P.M.	ling A
tween	and Dew Point	, Le	Least.	0	4.4	0.0	0.0	3.0	5.6	3.0	0.4	1.9	13	GENERAL REMARKS	udy at	loudy thund thund	ıdy ar	e amounts o afterwards.	y, with	rning,	afterwalfon, A early early	ning a	for week ending
ence pe	Dew Pc	nagadu	Great-	0	24.1	21.9	10.8	18.7	19.3	23.8	19.6	19.7	12	L RE	y. Clo	ully c quent cernoor	c; clor	after	cloud	in mo til 2h.	at 9h.	Light	or we
Differ	and and	1	Mean daily value.	0	14.3	4.8	41	11.2	10.0	12.4	6.6	10.0	11	NER	at 9h.	partie	ight. orning	ith variabl cloudless between 11	rtially	night. loudy als un	with served th ra	night.	port f
	Of the	point.	Mean daily value.	0	26.9	53.8	1.19	53.5	52.4	50.3	6.09	53.5	10	GE	Very fine generally. Cloud: light shower at 9h. 45m. P.M.	Fine and pa ariable, with proughout the	loudless at night, Fine in morning; cloudy and fterwards.	Fine with variable amounts of rening, cloudless afterwards, lowers between lh, and 2h, P.M.	and ps	ing at ally claim	cloudy alo obs dy with	loudless at 1 bout lh. P.M.	ErrataReport
BE,		De-	P. A. A. 50	0	+10.5	+ 1:1	6.0 +	+ 4:3	+ 3.2	+ 3.0	+ 1:1	+ 3.3	6		Very slight s	Fine and partially cloudy till noon; variable, with frequent thunder-showers throughout the afternoon; very fine and	Cloudless at Fine in afterwards	Fine with variable amounts of evening, cloudless afterwards, showers between 1h, and 2h, P.M.	Fine	Lightning at night. Partially cloudy in morning, with lightning at intervals until 2h. A.M.; very fine till	night, cloudy with rain afterwards. Faint solar halo observed at 9h, 15m, A.M. Cloudy with rain in early morning; variable, with frequent showers till evening.	cloudle about 1	Errat
TEMPERATURE	į.		Mean daily value.	0	71.5	2.19	61.2	64.4	62.4	62.7	8.09	63.5	∞	Registered Sun above Sunshine Horizon, in hours.	13.8	13.8	13.7	13.7	13.6	13.5	13.5	Sum 95.6	29
TEMP	Of the Air.		Daily Range.	0	25.5	17.8	16.8	16.4	17.6	18.3	20.5	18.9	7	ine Hurs.					<del>-</del> #	· · ·			1
			Low-est		10	299	52.2	2.12	54.1	55.2	52.1	55.2	9	Registe Sunsh in hou	9.2	1.9	ଟେ ବ୍ୟ	9.4	5.4	œ •œ	11.3	Sum 53.4	28
			High- est.	0	00	74.0	0.69	74.1	7.1.7	73.5	72.3	74.1	2	r of te.)	ally;	; s. P. P.M.; Is.	rally; n 2h.	P.M.; ill 5h. after-	rally;	h. P.M. P.M.;	noon;	after-	
BARO-	Mean	reading (cor-	and reduced to 32°. Fahrenheit).	in	59.65	29.682	29.733	29.663	29.678	29.280	29.600	29-622	4	ELECTRICITY. (For explanation of symbols, see Note.)	gener between	w. P. till noon; and s. N. till 5h. P w. P. afterwards.	gener between	till lh. d v. N. t w. P.	gene.	till 11b.	till nd v. P	; w.P.	27
	Phases	ofthe	Moon.		Last	:	Greatest	:	:	:	:		3	ELH (For es	w. P. generally; w. N. between lh.	and s. N w. P. af	W. F.	w. P. till lh. P.M.; v. P. and v. N. till 5h. P.M.; w. P. after-wards	m. P. a	ween 8h. and 9h. P.M. w. P. till 11h. P.M.;	w. P. till noon;	6h. P.M. wards.	
			ď.		- 27	28	- 29	30	- 31	-	2	•	- uu		27	88	- 29	<u></u>	31	-	23		1
	1899.		MONTH AND DAY	AUGUST.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-SEPT.	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. AUGUST.	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

## OFFICIAL COPY.

## WEEKLY RETURN

OF

# BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office,
AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 36. 1899. Vol. LX.] WEEK ENDING SATURDAY, SEPT. 9. [Price  $1\frac{1}{2}d$ .

General Register Office, Somerset House, September 11th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 25.2 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:—

	7	Veeks	ending	3	1			7	Veeks	endin	g
Towns.	Aug. 19.	Aug. 26.	Sept.	Sept.		Towns.		Aug. 19.	Aug. 26.	Sept.	Sept.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	25.7 22.2 30.0 16.2 20.6 19.4 33.9 24.0 38.3 23.6 20.8 23.0 20.1 112.8 13.6 24.7 22.6	27·3 24·1 30·9 23·7 35·5 24·1 20·8 23·0 27·9 21·2 26·3	28·9 18·8 31·4 23·0 21·3 25·2 27·4	18·1 28·9 24·3 33·8 23·8 31·3 20·8 43·8 25·5 18·4 26·5 21·5 19·7 22·7 27·2		Leicester Liverpool London - Manchester Newcastle-on Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield Sunderland Swansea West Ham Wolverham		30·3 23·0 27·2 25·3 20·8 30·6 32·5 27·9 29·6 27·4 18·3 25·1 25·3		33·7 22·1 30·5 32·6 23·9 25·9 29·7 32·5 38·1 36·8 29·2 29·0 18·6 20·7	32·8 35·8 23·0 27·4 25·6 22·8 21·3 28·8 31·1 30·3 31·9

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 3·2 in Burnley; from whooping-cough, 1·4 in Cardiff; from "fever," 1·8 in Sunderland; and from diarrhea, 6·3 in Nottingham, 6·4 in Sheffield, 6·9 in Salford, 7·3 in Gateshead, 7·5 in Bradford, 7·9 in Sunderland, 8·2 in Wolverhampton, 8·4 in Liverpool, 8·8 in Birmingham, 10·2 in Brighton, in Leicester, and in Hull, 11·1 in Huddersfield, 11·5 in Manchester, 12·0 in Norwich, 12·9 in Burnley, 13·3 in Preston, and 13·8 in Bolton. In none of the thirty-three towns did the death-rate from "scarlet fever" reach 1·0 per 1000. The 68 deaths from diphtheria included 24 in London, 6 in Birmingham, 6 in Liverpool, 5 in Leicester, 4 in Leeds, and 4 in Sheffield. One death from small-pox was registered in Hull, but not one in any other of the thirty-three towns.

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained

### LONDON.

In LONDON\* 2442 BIRTHS and 1934 DEATHS were registered. Allowing for increase of population, the births were 178 below, and the deaths 455 above the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 25.3, 24.1, and 22.1, in the preceding three weeks, was 22.2 last week. During the four weeks ending on Saturday last the death-rate averaged 23.4 per 1000, being 5.3 per 1000 above the mean rate in the corresponding periods of the ten years 1889-98.

The 1934 deaths included 33 from measles, 5 from scarlet fever, 24 from diphtheria, 25 from whooping-cough, 1 from typhus, 11 from enteric fever, 322 from diarrhea and dysentery, 8 from cholera and choleraic diarrhea, and not one death from small-pox, or from any ill-defined form of continued fever; thus, 429 deaths were referred to these diseases, being 148 above the

corrected average weekly number.

The deaths from measles, which had been 48, 52, and 34 in the preceding three weeks, were 33 last week, the corrected average being 21; 5 cases belonged to Lambeth sanitary area. The deaths from scarlet fever, which had been 8, 7, and 5 in the preceding three weeks, were again 5 last week, the corrected average being 20. The deaths from diphtheria, which had been 33, 29, and 29 in the preceding three weeks, further fell last week to 24, and were 12 below the corrected average; 3 cases belonged to Hackney, 3 to Lambeth, and 3 to Camberwell sanitary areas. The deaths from whooping-cough, which had been 28, 18, and 31 in the preceding three weeks, fell again last week to 25, and were 7 below the corrected average; 5 cases belonged to Islington sanitary area. The fatal cases of enteric fever, which had been 11, 16, and 18 in the preceding three weeks, fell again last week to 11, the corrected average being 16; 2 cases belonged to Lambeth, and 2 to Camberwell sanitary areas. The death of a male, aged 36 years, in St. George in the East sanitary area, was certified as due to typhus fever. The deaths from diarrhæa, which had been 481, 426, and 368 in the preceding three weeks, further fell last week to 322, but were 174 above the corrected average. Of the 322 deaths from diarrhea, 298 were of children under 5 years of age; 158 more deaths at this ageperiod were attributed as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 148, 169, and 131 in the preceding three weeks, rose again last week to 170, and were 24 above the corrected average. The deaths attributed directly to *influenza* numbered 3, having been 4, 3, and 1 in the preceding three weeks.

Different forms of violence caused 65 deaths, concerning all of which inquests were held. Of these 65 deaths, 7 were cases of suicide, and 1 of homicide, while the remaining 57 were attributed to accident or negligence. Eight of these were referred to vehicles in the streets, 4 to drowning, 1 to sunstroke, 1 to the effects of chloroform administered for surgical purposes, and 8 (of infants under one year of age), to suffocation in bed.

## CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2550 cases of scarlet fever, 1463 of diphtheria, and 224 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow: -Of scarlet fever, 298 cases, against 245, 225, and 252; of diphtheria, 183 cases, against 172, 188, and 176; and of enteric fever, 29 cases, against 38, 28, and 29.

<sup>\*</sup>Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lubatic Asylum situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

## GREATER LONDON.

In Greater London 3629 births and 2714 deaths were registered, corresponding to annual rates of 29.0 and 21.7 per 1000 of the estimated population. In the Outer Ring 6 deaths from measles, 4 from scarlet fever, 8 from diphtheria, 7 from whooping cough, 7 from "fever," and 204 from diarrhoea were registered. Three deaths from "fever" and 62 from diarrhœa occurred in West Ham district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.84 inches, and that of the The mean reading of the Baronetter has week at Greenwich was 25 of Holies, and that of the Thermometer 65°6; the latter being 6°5 above the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 30 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 47.5 hours; the measured rainfall amounted to 0.54 of an

#### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of August 1899. The supply was in the ratio of 278 gallons to one service.

	Number of	Services.	Daily Suppl in Ga	ly of Water llons.
COMPANIES.	AUGUST, 1898.	AUGUST, 1899.	AUGUST, 1898.	AUGUST, 1899.
TOTAL SUPPLY	865,200	878,906	224,713,135	244,416,842
From Thames	416,042	416,908	122,399,328	131,771,189
	449,158	461,998	102,313.807	112,645,653
THAMES.  Chelsea  West Middlesex  South wark and Vauxhall  Grand Junction  Lambeth	38,003	38,426	12,530,760	14,272,593
	82,696	84,369	22,870,405	23,728,864
	121,925	115,037	35,928,092	38,152,332
	62,917	64,963	21,690,023	24,034,378
	110,501	114,113	29,380,048	31,583,022
LEA AND OTHER SOURCES.  New River	164,929	167,467	42,971,423	44,521,050
	195,894	202,672	40,656,000	47,416,000
	88,335	91,859	18,686,384	20,708,603

Note.—The Return for August, 1899, as compared with that for the corresponding month of 1898, shows an increase of 13,706 services and of 19,703,707 gallons of water supplied daily.

# ANALYSIS OF METROPOLITAN WATER SUPPLY DURING AUGUST, 1899.

Water-analysis Laboratory, The Yews, Reigate. 8th of September, 1899.

In consequence of the sudden death of Sir Edward Frankland the Local Government Board have specially requested me to furnish a report on the waters supplied to the Metropolis during the month of August. I therefore forward to you, as usual, a copy of this report recording the results of the several examinations I have made of the London water-supply.

These examinations are conducted with a view of ascertaining (a) the bacterial and chemical condition of the raw river waters at the intakes of the several Companies, (b) the bacterial condition of the water as it issues from the filter beds of each Company, and (c) the chemical condition of the water in the distributing mains.

I append also, for the purposes of comparison, the results obtained in the chemical analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, was:—Kent 0.8, New River 1.1, East London (deep well) 1.6, Southwark 2.1, East London, Grand Junction, and West Middlesex 2.2. Chelsea and Lambeth 2.3.

The unfiltered waters contained the following proportions:—Thames at Hampton 4.4, New

River Cut 1.9, and Lea at Angel Road 4.8.

The Thames at Hampton was, on August 1st, turbid and pale yellow in colour. It contained, however, only a very moderate proportion of organic matter, and, as is generally the case at this season of the year, bacterial life was present in only very moderate amount: After storage by the Chelsea and West Middlesex Companies, this bacterial life was, as usual, very greatly reduced, illustrating the great value of this means of preliminary purification. The water supplied by the five Companies drawing from the Thames was in every case clear, well filtered, and of excellent chemical quality. The number of bacteria found in several of the

## Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

OR]	COMPANIES LOCAL AUTHORITIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matters.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
	_		0								
	THAMES.	Augus, 1st. Grand Junction Co.'s intake at Hampton.	23.2	25.48	•226	.034	.007	127	.167	2.0	16.9
	Chelsea =	August 4th. Cab Rank, Horse Guards, Whitehall.	21.7	23*40	.118	-017	0	-111	128	1.9	15.7
	West Middlesex -	August 4th. Cab Rank,Riding House-	19.0	22.16	112	.012	0	*092	107	1.8	15:4
	Southwark	August 4th. Cab Rank, St. George's Church, Borough.	22.6	23.24	.110	.012	0	104	·116	1.9	16.3
1	Grand Junction -	August 4th. Cab Rank, Portman- street, Oxford-street.	21.8	23.50	·114	.017	0	112	.129	1.9	16.3
Inner Circle.	Lambeth	August 4th. Cab Rank, St. George's- road, Southwark.	22.8	24.32	·118	017	0	144	.161	1.9	16.6
Inne	LEA. (Unfiltered water) -	August 3rd. New River Cut at Green Lanes.	20.8	32*84	.091	•020	•008	· <b>1</b> 99	•226	2.1	18:3
	New River	August 4th. Cab Rank, Tottenham Court-road.	21.1	31.08	•055	.010	0	·162	·172	2.0	19.4
	(Unfiltered water) -	August 3rd. East London Co.'s intake at Angel-road.	23.4	27:20	•248	.033	-010	.093	:134	2.1	18.0
	East London	August 4th. Cab Rank, Sidney-street, E.	23.0	27:06	112	.015	0	·120	·135	1.9	17.1
	DEEP WELLS.	August 4th. Police Station, Blackheath-road.	13.2	39.66	.039	.006	0	*454	·460	2:3	27.5
Outer Circle.	East London	August 25th. Chingford Well.		29.64	*088	.006	.014	trace	.017	2.0	21.5
	poration of Birming- tm*	August 15th, Court rear of 164 & 165 Grange-road.	18'3	31.20	·140	.030	.001	.250	.281	3:3	18.0
Cor	poration of Glasgow†	August 15th. Loch Katrine water.	17:4	2*88	.132	.021	0	.003	·024	.77	1.27
	Column 1.	Hill E.C. Medical Office	3.	4.	5.	6.	7.	8.	9.	10.	11.

<sup>\*</sup> Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 1st August at the Grand Junction Company's intake at Hampton had a temperature of 23°2° C.; 100,000 lbs. of it contained 25°48 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained '226 lb. of carbon and '034 lb. of nitrogen. The above quantity of water also contained '007 lb. of ammonia and '127 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '167 lb. The above weight of water also contained 20 lbs. of chlorine, and 16°9 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroving ingredients.

lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

<sup>†</sup> Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

filtered samples was, however, somewhat greater than usual, although by no means excessive. In the case of the Southwark Company's water this larger number is doubtless accounted for by the fact that no less than seven newly constructed filters were contributing to the supply. The efficiency of the purification processes (storage and filtration), employed by the Companies is best ascertained by comparing the number of bacteria present in the Thames water passing the intakes with that found in the water as it issues from the filter beds. Thus, out of every 100 bacteria present in the original Thames water the following numbers were removed at the works of the several Companies:—Chelsea 93.2, West Middlesex 90.2, Southwark (No. 2 Filter Well) 99.5, Southwark (No. 15 Filter Well) 89.5, Southwark (general supply from Hampton) 89.7, Grand Junction (general filter well at Hampton) 90.4, Grand Junction (general supply at Kew Bridge) 97.5, Lambeth 99.7.

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, on the 3rd August, was turbid and very pale yellow, but the amount both of organic matter and of bacterial life was remarkably small. In passing through the subsidence reservoirs the amount of bacterial life is generally much reduced, but on this occasion, in consequence of the water in the reservoirs being disturbed through the weed-cutting operations which were in progress at the time, the number of bacteria was actually increased during the This shows the extreme delicacy of the bacteriological test in detecting any dispassage.

turbing influence that may be at work.

This water, after filtration by the New River Company, was both chemically and bacterially similar to deep well water. Out of every 100 bacteria present in the water of the New River

Cut 92.7 were removed by the Company before distribution.

The River Lea, at Angel Road passing the intake of the East London Company, was, on August 3rd, turbid and pale yellow; it contained practically the same amount of organic matter as the Thames water, but considerably more bacterial life, which was, however, greatly reduced by storage. On subsequent filtration by the East London Company, this water was clear, of excellent chemical quality, and contained only a very small number of bacteria. The improvement effected in the Lea water by the East London Company is shown by the fact that out of every 100 bacteria present in the river water at the intake, the following numbers were removed in the purification processes employed:—No. 1 Essex filters 99.0, No. 2 Essex filters 99.3, Middlesex filters 98.3.

The deep-well water supplied by the Kent and East London Companies was clear and bright

without filtration, and of a very high degree of organic purity.

A sample of water taken from the "New Well" of the Kent Company at Deptford contained, as usual, only a very small number of bacteria.

Seen through a stratum two feet deep, the New River, Kent and East London (deep-well) waters were clear and colourless, all the remaining waters being clear and very pale yellow.

In the following table is recorded the number of micro-organisms found in the various

mples of water submitted to gelatine cultivation :-

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, August 1st  " after storage by Chelsea Company, August 1st  " by West Middlesex Company, August 2nd  Grand Junction Company's water at Kew Bridge passing to filters, August 2nd  New River Cut before passing through reservoirs, August 3rd  River Lea at Angel Road, August 3rd  " after storage by East London Company, August 3rd	2,240 604 600 520 300 700 6,020 1,240	23:2 22:0 21:0 21:0 22:7 20:8 18:7 23:4 22:7
FILTERED RIVER WATERS AS SUPPLIED.  THAMES.  Chelsea Company's general filter well, August 1st West Middlesex Company's general filter well, August 2nd No. 15 No. 15 No. 16 No. 16 No. 16 No. 16 No. 17 No. 17 No. 18 No. 18 No. 18 No. 19 No. 19 No. 19 No. 19 No. 10 No.	152 220 12 236 230 214	22:7 21:3 21:7 21:6 22:3 21:7 22:2 21:5
LEA.  New River Company's general filter well, August 3rd  East London Company's No. 1 Essex filters, August 3rd  "No. 2""""""""""""""""""""""""""""""""""""	22 58 40 100	21.5 21.7 21.7 21.7 22.0
DEEP-WELL.  Kent Company's "New" Well at Deptford, August 4th	38	11:3

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied by the Corporation of that City was, on August 15th, "very slightly turbid and pale green." Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine was, on August 15th, "light brown in colour, and contained a little suspended matter."

I am, &c.,

PERCY F. FRANKLAND.

The Registrar-General, &c., &c.

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	CITIES	AND BOROUGHS		Cols.	33 TOWNS,	London.	WEST HAM.	CROYDON. BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	DW ANDRA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTINGHAM.	DERBY.	BIRKENHEAD.	ROLTON	MANCHESTER.	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	GATESHEAD.	NEWCASTLE.		
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in the	В		Kever cong Whool	-	8	25 1			1 -		1 1	10	1		- G7		0.3		1	7	00		4 -		. –	1	1	0.	3 1		1 00		က	1	1	6.1	ı
istered	Deaths from	ļ ———	Dipht!	-	89			1 1	ı	1 -	10	। ०१	-	1		) I	2	-	7		9	1	07 n			1	-	1	. c.	1	1 4	1 4	1	ı	1	Ç I	
HBreg	Dea	t Kever.			7 68		_	1	1	1	1 -	1 1	ı			٠ ا	I	1	-	1	6/1	-			N C	3 I	ı		1	1 0	1 -	+ 4	1 67	1	1	7	Name and Address of the Owner, where
The DEATHS registered in the Week include			Measle	-	73 27			1		1	1 1	1	1	1	0	0 1	-	4 1		1	ಀ	1	4	н,	- E		1 1		1	1 0	a <	H 60	-	, ,	1		100 m
Th			-Ilamè	-	-	1 1		1	ı	ı	1 1	ı F	1				· ·	ł	1		1	1	1	1	1	, ,	1		,	ı	ı	1 1	-	1 1	1	1	Act At Benderal Bound
	of .	ears ears pwards,	In pu		917	227	900	10	13	13	11	16		25	24	30	2 2	2 66	17	9	57	18	43	15	ET ET	7 00	15	9.5	27 0	n 0	07	986	2 12	0,00	6	27	OCCUPATION NAMED IN
	Deaths of	sunder sr of ge.		36	1 6			21	34	27	11	3 9	17	23	035	100	27	47	20	<u>~</u>	177	54	152	09	47 3	0.0	. ic	0	2 2	er E	2 2	5 32	2.5	40	2.1 .±	11	SECTION OF PROPERTY OF PERSONS ASSESSED.
	nding			= -	1.			45	74	78	44	971	44	9	20	582	ng Gor	100	54	4 9	392	105	342	130	74	CS CS	65	3 !	45	3.5	207	016	166	68	44	157	SENSON PROPERTY OF SENSON PROPER
	the Week ending	_	BIRTHS, DEATHS.		i M			25.	29	100	29	105	71	. 00	7.9	088	9 6	121	02 02	, n	438	103	328	142	16	47	2 8	3 :	43	36	COT	240	147	108	74	137	NETSTERNISHEN STREET, CRESS.
-				-		0	_	1 6	9		24	] 3	9 91	} =	7	90	90 :	70	# 5	T 0	200	21	02	44	7.2	18	54	77	64	721	41	088	697	0/2	352	325	Name and Address of the Owner, where
	ATT A TTTO	estimated to the middle of the Year	1,089,	-	11 404 408	Teroret	4,040,702	300,241	123,226	190,741	100,637	320,911 185 298	108.722	600	88,821	514,956	113,266	713,891	108,004	יביסטד	684 919	162.221	543,902	218,244	150,772	113,081	135,154	220,111	103,464	97,721	236,241	423,889	361,169	745,813			
-	-	d .		Coin			,l	l. l	,1	ı	A.	,1	1 1		TOL	ł	l .	ı	1 .	1	1 .	1 1	,1	L	,1	3	, فر	i.	ED T	.1	.3	,l		ا, اد			
		CITIES AND BOROUGHS.				SS TOWNS	LONDON	WEST HAM -	BRIGHTON	PORTSMOUTH	PLYMOUTH -	BRISTOL		SWANSEA	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -		DERBY -	BIRKENHEAD	LIVERPOOL -	MANCHESTER	SALFORD -	OLDHAM	BURNLEY	BLACKBURN	FRESTON	HUDDERSFIELD	HALIFAX	BRADFORD -	LEEDS -	TELD	HULL & LIUH	GATESHEAD -	NEWCASTLE -	

TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-SIXTH Week of each of the Eleven Years, 1889-99.

	TOTAL Births  Males Females -	1889 2373 1215 1158	1890 2469 1268 1201	1891 2496 1298 1198	1892 2604 1316 1288	1893 2556 1327 1229	1894 2369 1203 1166	1895 2486 1246 1240	1896 2449 1281 1168	1897 2655 1374 1281	1898 2446 1222 1224	Corrected Weekly Average in 10 Years 1889-98.* 2620·1 1341·4 1278·7	1899 2442 1212 1230
-	TOTAL Deaths - Males Females	1170 605 565	1514 772 742	1217 644 573	1361 705 656	1560 796 764	1175 629 546	1358 704 654	1308 685 623	1391 708 683	2007 1049 958	1479·4 767·7 711·7	1934 967 967

The numbers in this column are the average weekly numbers in the thirty-sixth week of the ten years 1889-98, raised by 5'213 per cent, for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

	111 110							1 111111	-				
	June 17.	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug.	Aug.	Aug.	Aug. 26.	Sept.	Sept.
TOTAL Births	2571	2422	2441	2484	2351	2444	2494	2577	2214	2671	2646	2532	2442
TOTAL Deaths	1316	1355	1297	1310	1387	1589	1884	2200	2068	2208	2100	1931	1934
$ \begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{array}{c} \textbf{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20 \text{ ,''} & - & - \\ 20-40 \text{ ,''} & - & - \\ 40-60 \text{ ,''} & - & - \\ 60-90 \text{ ,''} & - & - \\ 80 \text{ years and upwards} \end{array} \end{cases} $	299 173 71 171 290 260 52	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70
Deaths from— Small pox — — — — — — — — — — — — — — — — — — —	64 7 35 35 6 12	65 4 28 35 - 6 - 9	51 11 25 26 - 11 20	50 12 31 27 7 28	1 48 4 37 26 - 6 -75	46 8 42 20 - 8 185	56 5 35 19 - 13 350 12	- 60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 463 21	48 8 33 28 -11 -481 16	52 7 29 18 - 16 - 426 21	34 5 29 31 18 368 22	33 5 24 25 1 11 - 322
All the above Diseases -	159	148	144	155	199	316	490	648	600	625	569	507	429
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence—Inquest Cases—Deaths in Public Institutions—	207 133 125 60 124 436	190 153 116 86 162 460	159 153 124 73 143 456	191 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559
TEMPERATURE OF THE AIR.  Mean	56°0 69°3 45°1	60·7 69·7 53·7	62·3 73·1 53·8	62·3 71·9 54·3	66.2 77.7 56.9	70.2 83.2 57.9	64.8 75.4 55.3	67·5 78·8 5 <b>7</b> ·3	63·8 74·6 55·7	66.5 77.4 57.2	66.4 79.8 53.6	63.5 74.1 55.2	65 6 76 5 55 2
Humidity of the Air	67	73	68	71	67	58	67	69	73	64	63	71	70
Rain-fall (in inches)	0.00	0.21	0.74	0.13	0.09	0.06	0.97	0.09	0.02	0.00	0.00	0.29	0.54
Registered Sunshine (in hours)	68.0	26.2	43.9	31.4	49.4	71.0	63.6	79.7	54.9	49.4	74.8	53.4	47.5
CASES OF INFECT	ious s	SICKNI	ESS IN	Hosp	ITALS'	* AT T	HE ED	ID OF	EACH	WEE	ĸ.		
Scarlet Fever Diphtheria Enteric Fever	2280 1170 98	2367 1230 109	2430 1280 105	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 .1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2550 1463 224

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their neteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton: A. W. Preston, Esq., F.R.Met, Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott. Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Bobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C. E., Bradford; and Mr. E. Peak, Hu!)

LE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the THIRTY-SIXTH Week of the Year 1899.

Deaths of Persons of the Ages   CAUSES OF DRATH   Section   CAUSES OF DRATH   CAUSES OF	1,442	the	Sa					_	_	a of the Tear 1055.	the	Sat	In	the	Wee	k en	ding	1899	
ES		for 10 y			hs of P	erso			-		for 10		-	aths	of F	erso	-		-
The contribution   Contribution	ES OF DEATH	Week			0.	nd under 40.	nd under 60.	nd under 80.	years and	CAUSES OF DEATH				20.		nd under 40.	nd under 60.	nd under 80.	years and pwards.
Coup		Corr 36th	ALI	01	5-20	20 8.	40 a.	60 a.	08 n		Corr 36th	ALI	0-1.	15,	5-20	30 в	40 a	60 a	38
Yaccascinated   Yaccascinate	SES	1479.4	1934	744	250 75	215	313	267	70 		111.2	132	2	-	11	21	54	36	8
Second   - 334   3	Unvaccinated No Statement	0:4 0.4 23:7 19:8	5	12	21 - 3	- - 1 1			1 1 1 1	Bronchitis Pneumonia Pleurisy Other Diseases of Res-	68·4 54·4 3·9	54 93 3	23	28 1	-	11 1	16 1	-9	21 -
and Effects of 2	g-cough   g-cough   ria -   Continued and   ned Fever -   Fever -   and Chol. Diarr. a, Dysentery -	32·2 36·4 - 16·1	11 8	1 6	11 - 16 4  1 3 1 - 53 1	5 1 3	1 3	10	7	Quinsy, Sore Throat - Enteritis Gastro-enteritis Peritonitis Diseases of Liver Other Diseases of \}	2·2 57·4 { 6·6 25·6	$1\\ 32\\ 172\\ 4\\ 29$	19 126 - 1	32 1	5 2 2 -	2 5	1 14	6 - 9	-
	and Effects of ation } l Affections as	0·3 11·2	6	- - 4 1	  1 -		- 3	- - 1 3		Diseases of Lymphatic ) System & of Ductless	2.1	2		_	-	1	1		-
Ind other Para   17	and Septicæmia al Fever ymotic Diseases	3.9	1 3 2	- 1	- 1	2 -	-	-	-	Diseases of Urinary System	40.4	43	-	-	2	8	14	18	1
System   Sys	and other Para-		1 -	1		-	-	-		System 5			-	-	-	1		1	-
	on Went of)					-	-	-	-		5.2	6	]	-	2	2	-	-	1
natism of Heart {	-milk }	1 .	(1			5	1	- 1	-		7.2	8	]	L	-	1	4	1	1
Section   Column	tic Fever, matism of Heart tism  lesenterica - lar Meningitis - a. Tuberculosis - Constitutional tess -	2:8 2:1 4:1 72:9 36:2 21:7 140:5 20:8	2 4 4 90 34 25 167 30	27 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	80 6	38 - 56 5	37 - 16 1	5	(ACCIDENT.)  By Railways	48.7	1 1 1	-		1 -	2	-	-	1
Y	ure Birth asis ital Malforma-	3·3 6·4	5 10	5 9				-   ~	-	By Drowning By Suffocation in Bed - By Poisons or Poisonous Yapours Other or not stated		8 4	-	-	1.	1	-	2 -	5 4
of Organs of 3 27 4 - 1 2 1 - OTHER CAUSES 72'0 98 86 8 1 2 1		6.6	8 36	30	6 -	-   -	2 1	L 5		ACCIDENTAL).  Homicide Suicide	0.8	177		-			1		1 -
	s of Organs of	2.7	4	-	1 2	2 -		- ]	L -	OTHER CAUSES	72.0	98	3 8	36 8	-			1	2 1

enumbers in this column are the average weekly deaths for the ten years look to, the last of a lation.

Y those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered limen. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the ideath is not certified by a registered practitioner, the case is returned under the heading "no statement." sevidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the result of the insufficient to enable the coroner to certify whether a violent death be the coroner to certify whether a violent death be the coroner to certify whether a violent death be the coroner to certify whether a violent death be the coroner to certify whether a violent death because the violent death bec

Table 5. LONDON.\*—Population; Births; Deaths from all Causes, and from Small-pox, Me Scarlet Fever, Diphtheria, Whooping-cough, Fever Diabenea, Violence, &c., registered in

						A CONTRACTOR OF THE PARTY OF TH	The	DEAT	HSre	gister	red du	ring i	the W	eeki	nclud	9
	Enume-			Dea	thsof					Death	ıs fro	ma.				
REGISTRATION SUB-DISTRICTS,	rated Population, 1896.	Tota BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards,	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-ccugh,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea.	Violence,	Inquest Cases.
LONDON -	4,411,710	2,442	1,934	744	337		33	5	24	25	1	11		322	65	160
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	352 595 110 441 944		119 158 43 136 288	64 66 17 46 131	1 11111	1 4 1 5 22 -	1 - 3	1 7 1 2 13	3 11 3 8	- 1	1 51 - 6 -	4 1 + 1 1	51 64 19 57 130	14 21 5 7 17	35 38 13 40 33
$\begin{array}{c} \text{West Districts.} \\ \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \\ H G. \end{array}$	90,996	53 4	41 17	23	4 3	-	-	1 1		1	1 1		1 1	14 2	1 4	3
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	71 7	66 11	17 2	13 4	-	1 -	1	-	1 -	-	-	7	4	2	10
North Hammersmith $\{H\}$ W. & G $\{H\}$ South Hammersmith $\{H\}$ W. & C $\{H\}$ Fulham $\{H\}$ W. & C.	44,638 59,561 113,781	28 22 69	19 21 72	9 7 39	4 5 11	-	1 1 1		- 1	1	1 1 1	ī	+	5 2 18	11	2 2 3
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	10 16 15	1 15 8	2 4	5 1	-	-	-			111	- 1 -		2 2	1 1 1.	2 1
	23,827 56,140 31,492 22,097	1 22 14 5	9 19 10 3	7 4 1	5 6 2			1111	1111		1111	1 1 1	1111	2	2 1 1 1	2 3 1
	23,050 12,048	12	3	1 1	1	·-	-	-	-	1	-	-		1 1		-
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	13 8 25 17 13	17 4 6 6 5	4 2 2 4	3 2 1 2 -	1 1 1 1		1 1 1 1	1	1. 1 . 1	1111	1 - 1	1 1 1 1	2 1 1 1	1	1
Hampstead - N. & W.	75,449	33	23	8	4	-	-	-	1	2	-	-	-	1	2	4
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	37,341 26,757 29,426 32,161 16,669 98,410	22 13 22 20 11 43	11 16 11 13 21 41	6 2 2 5 4 19	3 - 2 8 6	1 1 1 1 1	- 1	11111	1 1 1111	- - 1 2	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	3 2 4 1	2 2 1 2	1 4 3 1 2 4
$ \begin{array}{c cccc} \text{Upper Holloway} & & & - & - & \text{N.} \\ \hline WWWwHH} & & & & - & - & \text{N.} \\ \text{Is lington South-west} & H & - & \text{N.} \\ \text{Highbury } HH & - & - & - & \text{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	63 62 36 36	60 34 23 25	28 17 10 9	12 3 5	1 1 1 1	1	1 1 1		2 1 1 1 1	1 1 1 1	1 -	1 1 1 1	9 7 25	2 2 3 -	3 2 3 1
Stoke Newington H - N. North Hackney - E.& N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.& N.	33,485	$     \begin{cases}       16 \\       24 \\       33 \\       43 \\       42     \end{cases} $	11 11 19 20 26	4 3 10 10 7	3 - 1 2 6	11111	11111	11111	- - 4 - 1	1	11111	11111	11111	31224	- 1 2 1	11232

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District that that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which pauper received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. sig 3rand Junction Company; W. West Middleson; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. Siver; E. East London; and K. the Kent Company.

See note son second page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES REET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHORA, VIOLENCE, &c., registered in each DISTRICT during the Week enling Saturday, 9th September, 1899—cintinged.

							The	DEA	THST	egiste	ered d	lurin	g the '	Week	inslu	de		
	Enume-			Deat	hsof				1	Death	s fion	n					utions	cf
STRATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age.	Personsaged 60 Years	Small-pox.	Meanles.	ScarletFever	Diphtherla.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever	Simple Continued Fever.	Diarrhosa.	Violence	InquestCares	Deaths in Public Institutions	Uncertified Causes
JENTRAL DISTRICTS.  rge Bloomsbury N. s South WH N.	16,110	9	4	2 1		-		_	-		-	1	-	1 3	-	ī	_	-
rge Bloomsbury N. 8 South WH N. 8 North H N.	12,976 9,151	11 2	5	2	1 -	-	-	-	-	-			-	1	-	-	1	_
tin-in-the-Fields HHN.&C. WHH N. Union Workhouse, Edmonton	13,077 11,839 +1,037	4 4 -	13 4 3	3 1 -	1 1 2	- - -	-	-	-	-		1 -	-	2 -	1 -	1 -	8 1 3	-
n wHHHHHHH - N.  les Clerkenwell - N.  ll Clerkenwell - N.  ll-street N.  lad HHHL - N.  ross-street - N.  ry - N.  n Union Workhouse,  tam - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035	10 7 20 8 27 -	17 7 9 7 14 2 3	75758 - 2	1 3 1	1111111	1		1	1111111		1111111	1111111	1 2 1 - 4 - 2	1 1	3 1 2 1 1	7 - 3 - 1	1,
colph* HH N.& E. egate N. ulchre WH N. ows Barking N. London Asylum, Stone	9,762 3,299 9.591 9,059 4388	2211 -	2 1 21 1 1	1 2 1 -	1 4 -	-			11111	1111	-	17111	1 1 4 1	2	2	1 2 -	20	11111
EAST DISTRICTS.  litch South $Hl$ - E. & N. a New Town $w$ - N. nold Town N. rston $WH$ N. & E.	17,975 29,575 27,645 47,163	12 12 24 33	6 11 7 23	14339	1 3		1 -	1 1 1	- to	- 1 - 1				1. 5 2	- 1 -	2 3 -	1 4 - 9	1111
al Green North $H$ - E. al Green South - E. al Green East $WHl$ - E.	49,301 34,194 45,667	32 27 26	11 .7 21	5 .5 11	3		- 1 -	-		-	-	-		6 1 1	1 -	5 -	- 8	
delds E.&N. ind New Town: $WH - E$ . tan's Fields: E.	26,681 } 51,995 {	13 12 16	8 53 10	3 14 6	- 4. 1	1-1-1	- 1 -		-	- 1	-	-	-	3 1	2 -	3 7 1	44	
orge's North E. an, St. George East W E.	39,576 7,930	23 1	12 17	7 6	1 4	-	-	-		_	1 -	-	-	1 5	- 1	4	14	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	5 9 19	14 4 7	5 3 3	1 2			-	- 1					2 -	111	1 - 1	10	-
and Old Town West $H$ E. and Old Town East $-E$ .	} 111,060	{ 36 28	15 24	8 9	2 5	-	_	-	-	-	-	-	-	3 4	1 -	3 2	9	-
ley wwwH E.	41,687 69,821 57,759	35 42 36	22 47 26	13 9 12	1 11 5		1 1 -	-	ī -	- - 2			-	955	2 -	5 2	1 20 1	

<sup>\*</sup> The Sub-Districts of St Botolph and Broad Street were united on 1st September 1899.
† Population in 1891, not included in the total population of the Central Districts or of London,
hitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town SubDistrict and Goodman's Fields Sub-District.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered is SUB-DISTRICT during the Week ending Saturday, 9th September, 1899—continued.

SUB-DISTRICT during the We			,			_	_			gister		_	he W	eek in	clud	е
	Enume-			Deat	hsof				I	eaths	from					
REGISTRATION SUE-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheris.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhœa.	Violence.	Inquest Cases.
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Sayiour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 10 21 12 12 13 32 24	2 3 14 13 4 11 22 12	1 -7 9 4 5 9 6	11 - 252	1111111	1 2 - 2 - 2 -		1111111	1	-	1 1 1 1 1 1 1	111111	1 3 3 1 2 3 2	1	1 2 2 2 -
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $WwH$ - S. & K.	11,731 85,475 40,379	10 59 26	28 38 26	3 21 9	455		21	-	. 1				-	- 6 2	1 1 1	3 4 2
	28,396 18,770 40,994 52,486 43,244 81,825 29,318	20 9 19 24 26 47 19	8 23 40 18 11 31 11	3 4 16 6 7 12 7	1 4 8 6 - 6		311		1	1 2	111111	1 2 2	111111	1 10 6 2 7 5	313-1	3 6 - 1
East Battersea S.  West Battersea	71,730 93,385 46,953 58,101 20,566 61,644	46 58 22 27 9 35	12 34 17 19 10 33	8 13 6 10 4 19	2752 - 3		- - - -		- 1 - 1 - 5 5	1	111111	11111	11111	1 5 4 7 2 11		11111
Dulwich L. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 44 45 35	69 27 20	13 10 7	22 2 2		ī ī	1111		1		- 2 -		- 6 5 4		1111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	26 27 14 15 28	17 25 18 3 25	9 10 6 3 7	1 3 1 - 6	11111	2 1 - -	11111	2 1	-	-		11111	1 5 2 1 4	2	2 1 1 -
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	3 7 20 22	5 4 22 8	1 - 10 4	3 4 5 1	1111	1111		- 1		-	1164		- 7 1		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	11 9 15 10 26	·11 7 6 7 16	33328	2 1 1 3 5	11111	1 1 -	2	2	- 2 - -		1	11111	1 1 1 5	- - 1	- - 1
Banstead Asylum Horton Asylum, Epsom Caterham Asylum Cane Hill Asylum - Dartford Darenth Asylum - London County Asylum. Dartford Heath Heath Heath Asylum			6 1 1 - - 3 4 5 1 - 4 3	111111111111	4 - 1 23 21	1111171111111		1			1111111111111			1	1	111111111111111111111111111111111111111

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 9th September, 1899.

		SUB-DISTRICTS. in Population, I Be so by John Sub-Districts. Acres. lation, I Be so by John Sub-District Sub-														de		
		in	rated Popu- lation,	BIRTHS.	DEATES.	-	Persons aged 60 g Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death.
N	DON-OUTER RING -	368,749	1,422,063	1187	780	1	151	-	6	4	8	7	7	204	19	33	79	2
	Carshalton wHH Epsom, part of WwHH -	12,228 10,423	26,108 12,508	11 7	16 8	9 3	3	-	-	- 1	1 -	ĩ	ī	4 ~		ĩ	5	-44
н	Godstone, part of* W -	2,754	1,598	1	1	-	1	-	-	-	-	-	-	-	-		-	
	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	63 23	53 13	24 8	13 1	-	-	-	-	1	-	13 7	2	3 -	11	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	25 29 4 7 13	15 18 2 - 4	8 10 - - 2	4 5 - 1		1111		ī - -		1	56 1 112	1 1 1 1 1	1 - 1	4	
	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	14 18	13 8	5 4	4 2	-	ĩ	-	-	ī	_	$\frac{2}{1}$	2 -	$\frac{2}{1}$	3 -	-
	Bromley $HHH$ Beekenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	13 14 15	9 5 16	5 4 7	1 3	1 1 1	1	1 1 1	- - -	1 1 1		1 2 3			4	-
	Bexley HHH Dartford WH, part of * -	12,540	<b>30,</b> 590	25 -	25	13	3 -	-		-	1 -	-	-	8 -	2 -	2 -	1 -	1
	Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	4 9	8	2 2	2	-	- -	-	-	-	1	1	-	-	1	-
	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	12 6 4	9 2 4	5 1 2	2 - 2	1 1 1	-		-	- - -	-	1 1 1		-	3 -	1
1 2 3 1	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	14 13 21 15 26	18 9 26 10 22	8 5 12 4 13	3 2 7 2 4	1111	- - 1	- 1 -	- 1 - -	1 - - -	-	3 10 1 7	1 -	1 -	1	
1 2 3	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	14 1 71 18	12 - 45 18	4 -23 7	3 9 7	1111	-	- 1	-			3 15 8	1 - 1	1 2 1	2	-
1 2 3	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	6,367 14,152 25,820	3 13 16	11 8	2 4 5	5 -	- - -	-	-	-	-	-	1 2 4	-		-	-
1 2 3 4 5 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	39 87 38 25 4 4	18 44 21 19 1 5	6 19 13 11 1 3	4 8 7 3 -			1	1 - 1	1		9 1 4 - 1	2	1 1 2 3 -	1232	
1	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	4 -	3 -	1 -	-	-		-	-	-	-	2 -	-	-	-	
1 2 3 4 5 6 7 1 2	$\begin{array}{llllllllllllllllllllllllllllllllllll$	$\left.\begin{array}{c} 4,706\\ 3,266\\ 4,334\\ 6,501\\ 11,779\\ -\end{array}\right.$	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	38 66 48 33 67 83 64 6	17 41 39 24 40 38 37 1	11 21 20 15 24 12 25 1	2 6 5 5 2 12 2	111111	3	111111	2	1 1	1 1 1	8 7 8 8 12 9 10 1	2 2 - 1	2	131	
1233	Romford, part of * WH - Hford Barking Town, H	6,556 8,493 3,814	4,324 10,913 14,301	21 14	5 11	3 6	2 2			-	-		-	1 4	1		3	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows:—30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham of Reflex in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in teld sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping p. 1,079); 188: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospitals for estious Diseases belonging to the Outer Ring in 42; 2, Dartford; 137: 2, Watford and 187: 2, Epping sub-districts

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS & Rate of MORTALITY during the week ending Saturday, 9th September, 1899.

		1	1				The DI	e a Tries	Sree	istore	d in t	he We	ek in	clude	
	Area	Population estimated	of MOR	L RATE TALITY 0 living.	DEATHS	Dea	ths of	1				hs fro			
GREATER LONDON.	Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	-
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	13
TREATER LONDON	443,421	6,528,434	21.7	5.3	2714	1137	488		39	9	32	32	19	526	
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	22°2 20°5	4·8 6·2	1934 780	744 393	337 151	1 1	33 6	5 4	24 8	25 7	12 7	322 204	6

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent area of a circle having a radius of 14'851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

•							DE	ATHS		PRI		LΖ
CITIES,\	POPULATION (enumerated or estimated).	DAT OF RET	URN.	BIRTHS.	DEATHS.	ANNUAL DEATH-RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	
EDINBURGH -	298,927	Sept.	9	162	122	21.3	-		1	1	_	
GLASGOW	733,903	57	9	476	329	23.4	-	3	5	-	6	
DUBLIN	349,594	11	9	198	251	37.4	-	17	2	1	. 2	and the same of
CALCUTTA	466,460	Aug.	5	-	-			-	-	_	'	
BOMBAY	821,764	,,	15	185	570	36.1	11	11	2	?	?	1
MADRAS	452,518	25	4	359	299	34.3	-	5	?	?	. 3	
PARIS	2,511,629	Sept.	2	1126	919	19.0	-	19	3	5*	2	
BRUSSELS	551,011	,,	2	295	190	17.6	-	-	1	1*		
AMSTERDAM -	517,595	Aug.	26	306	143	14'4	-	_	Van	1	1	
ROTTERDAM -	315,305		26	212	130	21.5	_	_		-		
THE HAGUE -	199,285	1) ^ 1)	26	106	71	18.5	-		-	3	_	
	345,000	Sept.	2	211	148	22.4				4	2	
COPENHAGEN - STOCKHOLM -	291,580	Aug.	26	139	99	17.6		-		2*	1	
CHRISTIANIA -	221,255	Sept.	20	123	87	20.4	_		-	- 1	20	
ST. PETERSBURG	· .		26	487	474	21.8	1	10	5	11	5	
Moscow	1,132,677 988,610	Aug.	26	301	554	29.2		3	5	7	2	
		99"								- 1		
BERLIN	1,818,517	"	19	910	875	25.1		12	4	5	13	
HAMBURG	675,351	Sept.	2	957	296	22.8	_	1	1	2*	5	
DRESDEN BRESLAU	394,300 406,012	Aug.	12	257	194 214	25°5 27°5	_	1	4	1*	3	
MUNICH	445,000	Sept.	26		203	23.7			*	2*	1	
				<b>F</b> 200						- [		
VIENNA PRAGUE	1,623,134	Sept.	2	768-	548 176	17.6	-	3	8	7*	2	
BUDA-PESTH -	384,622 666,722	ATIO	2 26	208 429	237	23.8 18.5			3	2	1	
TRIESTE	166,599	Aug.	19	114	62	19.4			1	1		
		";										
ROME TURIN (10 days)	505,850	Touler	12	202	142	14.6	,-	التا	-	-	-	
VENICE	344,203 171,023	July	10 26	82	69	21.0				-	. 2	
		Aug.	20	. 02	00	210					1	
CAIRO ALEXANDRIA -	570,062	-		-	-		-	-	-	-	-	
	319,766				-	_	-		-	-		
NEW YORK (including	3,550,053	Aŭg.	12	1584	1318	19.4		11	2	30	15	
BROOKLYN)		Aug.		1004								
PHILADELPHIA -	1,266,832	29	19		381	15-7		1	1	6	8	

Including deaths from croup.
Including 71 deaths from plague.
Including 1 death from cholers.
Including: death from malarial fever.

Sum 92.4 53

Sum 47.5 58

27

No. of Col. -

							M	etec	orolo	gica	il (	bseri	atio	ns.							16
		Ozone.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96	sea ;	bulk	the the	The The near	tions ment 5.	eter.	rate:	reek	6th: the	
Rain	Gauge Whose	surfaceis surfaceis sinches above the Cround,	in. 0.00	0.00	0.00	0.43	0.12	0.00	0.00	Sum 0.54	25	el of the	The meane wet	wenty y 1868 for	d minir umn 8). om then	observading 1876	hermom	. moder	of the w	on the P.M. on	
	on's.	Departure from Average of 16 Years.	Мівея. - 66	1 63	- 77	-117	-171	06 -	+ 23	Sum -561	24	t. nean leve	h. P.M.	cation o ing the l ending	num an e air (col luced fr	orizontz rears en	rofthet tering E	eak; m	pinning	5h. P.M.	
18:	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	198	187	149	86	181	297	Sum 1302	23	midnight	M., and 91 mometer	he applicade dur	of the maximum and minimum uperature of the air (column 8). The minidity are deduced from the mean by (Haisher's Hygrometrical Tables)	discussic hat of hr the 16 years	dexerro	e; w.w	day.	in. by o o 29.73 in k.	
nometer	16	an 34 rrly 38.	lbs. 0.0	1.0	0.1	0.0	0.0	0.1	0.3	:	27	htto j	ance t 3h. P.1 ther	s by the	of the	roma, and t	thein	gative	each 72 in. a	sed to wee	
m Aner	Pressure on the	Least.	lbs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$.15	21	aidnig s 159 fe	s to re noon; / bulk	value ic reco the t	lings of tem	rived f g 1890 icreco	tedfor	N. ne	ine on om 29"	decres	
need fro	Pressi	Great-	1bs. 0.8	1.4	3.0	0.8	0.1	1.7	2.1	:	20	from n	A.M.;	daily graphi luring	e read value degre	hatde endin ometr	correction	ive;	sansh sed fre	decres 7th; the end	
Windasded	Osler's,		WSW.,SW.	SSW. & S.	SW.	E. ENE.		N. NNE.	NNW. NW. & W.	ariable.	16	ivil day, or j	taken at 9h. grometer, tl	d into mean of the photo leter, and corrected m	nean of th mean daily erature and	of the air ist the 50 years of the anem 24 it will h	re. in 17 arenoteed.	e demired fr	on of bright neter increa	n the 3rd: A.M. on the	
	2	General Direction,		SSW., SE.	ENE SSE.	SW. &	NE.NE.	SW. & N.	NNW.&N.	Varia	18	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 189 feet above the mean level of the sea	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at the A.M.; noon; 3h. P.M.; and the Wet bills the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb.	thermoneter, are converted into mean daily values by the application to contecutors deduced from a discussion of the photographic records made during the twenty years ending 1873 for the braneter, and during the twenty years ending 1888 for the theory was second to the content of the twenty was the content of the twenty was the content of the twenty was the content of the twenty was the content of the twenty was the content of the twenty was the content of the conten	combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily deep point temperature and degree of humidity are deduced from the mean faily deep to any other than the mean and degree of humidity are deduced from the mean faily deapers and were the hull thermometers by qiaisher is Hydrometrical Tables.	The average temperature of the air is that derived from a discussion of the observations made at Green with during the 50 years ending 1800, and that of horizontal movement of the air from a discussion of the anenometric records for the 16 years ending 1875. It read not a sand 34 it will be borne in mind that + indicates "higher" and	- "lone", than the average.  The valuesgiven in column 17 arenot corrected for the indexerror of the thermometer.  The valuesgiven in column 17 arenot corrected for the indexerror of the thermometer.  The average of Blockwinted.  The average of Blockwinted in a few year from Thomson's self-registering Electrometer.	The symbols employed are.—P. positive; N. negative; w. weak; m. moderate: s. strong; and v. variable of some set of the s	gate duration	to 29.97 in. by 10h. P.M. on the 3rd; decreased to 29.73 in. by 5h. P.M. on the 6th; increased to 28.88 in. by 10h. A.M. on the 7th; decreased to 29.73 in. by 6h. P.M. on the same day; and increased to 30.00 in. by the end of the week.	-
R.E.	Ofthe	Earth 3 feet below the Surface.	65:33	62.09	65.11	65.12	65.41	65.53	17.29	62.59	17	esults ag eight of	vation na vations	meter, a l from a 1873 for meters	ed the meters, laily dew	verage to t Green ir from	er," than	mbols e	ne aggre reading	in. by ed to 29:	cost i con
PERATO	tion	Lowest on the Grass.	36.6	39.8	46.4	51.5	54.5	53.3	47.9	47.6	16	The r	no corre Obser the eye	thermos deduces ending	combin thermo mean d	Thea made a of the a	The v	The sy	show the	to 29.97 increas	Drawer
TEM	Of Radiation	Hig Sur Ray	0 137.8	135.7	144.5	0.601	104.9	104.1	0.911	121.7	1.5		nd.	. y	loudy	n and n. P.M.	between d distant	evening;	Overcast in morning; very fine, with		
	Degree of Hu-	(Saturation equals 100).	63	19	22	6/	95	7.1	62	70	14	, pg	of clo	A very fine day.	ally claight,	vers in vy raii I lh. On		ill eve	fine,	, i gring	
ween	int re.	Least,	0.1	0.0	1:1	1.1	0.0	8.0	5.6	1.2	13	MARE	aounts	very f	parti s at ery ho	th headim. and	th rain htning ar	cloudy till	very		
ence bet	Dew Po nperatu	Great-	23.7	24.3	55.9	9.21	7.1	2.21	20.3	19.2	12	L RE	nall an		ning; oudles	Shgh m, wi n 0h. 30		$\triangleright$	rning	a na ci	
Differ.	and Dew Point Temperature.	Mean daily value.	0.01	14.1	15.9	0.2	1.5	9.6	13.3	10.3	17	GENERAL REMARKS	Very fine, with small amounts of cloud.	Generally cloudless.	Cloudless in morning; partially cloudy till affernoon; cloudless at night, with tightning after 9h, P.M. Very hot.	Generally cloudy. Slight showers in fore- noon. Thunderstorm, with heavy rain and gusty wind, between 0h. 30m. and 1h. 0m. P.M.	Generally cloudy, 1lb. A.M. and lh F.M. chunder at night.	Fine and partially overcast afterwards.	in mo		
-	Of the Dew		0	52.0	2.99	\$.19	62.5	56.5	47.0	55.3	107	GE	fine, v	rally o	dless i ternoo ng aft	rally c Thun wind, b	Generally closulls. A.M. and 1h 1thunder at night.	and st afte	reast	ess at night,	
ŁE.		De- parture from Average of 50years,	0 4	1.9 +	+13.1	+ 9.3	+ 5.1	+ 7.1	+ 1.8	9.9 +	6		Very	Gene	Clou till af lightni	Generally cloudy. Slight showers in fore- noon. Thunderstorm, with heavy rain and gusty wind, between 0h. 30m. and In. 0m. P.M.	Gene 11h. A. thund	Fine	Ove	less at	
TEMPERATURE	dr.	Mean daily value,	62.0	1.99	72.4	68.4	64.0	8.29	6.09	65.6	000	Registered Sun above Sunshine Horizon, in hours.	13.4	13:3	13.3	13.2	13.1	13.1	13.0	Sum 92.4	00
TEMPE	Of the Air.	Daily Range.	0 28:7	27.9	31.1	18.4	12.8	15.7	14.0	21.2	-	red Surine H					<b>C1</b>	=	8.8		06
		Low-	47.9	50.4	56.5	60.3	59.3	58.5	54.3	55.2	9	Registe Sunsh in hou	11.3	121	5	1.7	1.5	2.2		Sum 47.5	6
		High-	9.92	78.3	87.3	78.7	72.1	73.9	68.3	76.5	5	of of	out -	out -	out -	rally; V. be-	rally; P. be-	- nou	A.M.;	airer-	
BARO-	Mean	reading (cor- rected and re- duced to 32° Fahren-	in. 29-913	29.875	29.748	29.761	29.778	29.840	29.883	29-844	1 4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. throughout	w. P. generally; v. P. and v. N. be- tween llh. A.M. and	3h. P.M. w. P. generally; v. N. and m. P. be- tween 1lh. A.M. and	In. P.M. w. P. throughout	. till 9h.	m, P. generany arter- wards,	970
	Phases	of the Moon.	Anogee		New. In	Equator	:	:	:		60	ELH (For er symbo	W. P.	w.P.	w. P.	w. J v. P. a tween	M. P.W. P. V. N. al.	In. P.M	W. P	m. F. g wards.	-
	1899.	MONTH AND	SEPTEMBER.	· 1	9 - 2	WEDNESDAY 6	THURSDAY- 7	FRIDAY - 8	SATURDAY- 9	MEANS -	No. of Column -	DATE. SEPTEMBER.	SUNDAY - 3	Monday - 4	TUESDAY - 5	WEDNESDAY 6	THURSDAY- 7	FRIDAY - 8	SATURDAY- 9		VY 0 0 - 1

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

### OFFICIAL COPY.

## WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

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> General Register Office, Somerset House, September 18th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 21.1 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	- 1	Veeks	ending	g	I		٠.		1	Weeks	endin	g
Towns.	Aug. 26.	Sept.	Sept.	Sept. 16.		Towns.			Aug. 26.	Sept.	Sept.	Sept.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead -	26·8 26·7 30·7 25·5 27·3 24·1 30·9 23·7 35·5 24·1 20·8 23·0 27·9	28·6 19·7 33·4 26·3 34·3 18·5 33·7 28·9 18·8 31·4	18·1 28·9 24·3 33·8 23·8 20·8 43·8 25·5 18·4 26·5	17·7 25·2		Leicester Liverpool London - Manchester Newcastle-on Norwich Nottingham Oldham Plymouth Portsmouth Preston Salford - Sheffield	- - - - - - -	- - - - - - -	28·3 36·7 24·1 33·7 27·4 23·9 30·1 22·5 32·0 30·1 38·0 29·5	33·7 22·1 30·5 32·6 23·9 25·9 29·7 20·7 32·5 38·1 36·8 29·2	32·8 35·8 23·0 27·4 25·6 22·8 21·3 28·8 31·1 30·3	30·9 18·8 26·2 24·9 10·6 21·8 17·6 18·6 31·0 32·5 21·9
Halifax - Huddersfield- Hull - Leeds -	21·9 21·2 26·3 23·2	25·2 27·4	22·7 27·2	17.6 17.6 21.6 18.1		Sunderland Swansea West Ham Wolverhamp	- oton		$\begin{vmatrix} 32.2 \\ 22.1 \\ 25.7 \\ 21.7 \end{vmatrix}$	18.6	31·9 22·1 22·2 36·4	20·1 19·3

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.4 in Burnley; from scarlet fever, 1.1 in Bradford; from "fever," 1.0 in Sheffield, 1.1 in Halifax, and 1.4 in Birkenhead; and from diarrhæa, 5.4 in Gateshead, 5.8 in Hull, 5.9 in Birmingham, 6.5 in Nottingham, 6.9 in Manchester, 7.2 in Liverpool and in Sunderland, 7.4 in Salford, 7.8 in Burnley, 8.0 in Brighton, 8.4 in Bolton, 1.00 in Brighton, 8.4 in Bolton, 10.0 in Wolverhampton, and 16.0 in Preston. In none of the thirty-three towns did the death-rate from "whooping-cough" reach 1.0 per 1000. The 69 deaths from diphtheria included 22 in London, 10 in Leeds, 8 in Sheffield, 6 in Leicester, 5 in Birmingham, 4 in Liverpool, and 3 in Portsmouth. Three deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In London† 2675 BIRTHS and 1643 DEATHS were registered. Allowing for increase of population, the births were 7, and the deaths 197,

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

above the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 24·1, 22·1, and 22·2, in the preceding three weeks, fell again last week to 18·8. During the four weeks ending on Saturday last the death-rate averaged 21·8 per 1000, being 4·5 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 1643 deaths included 17 from measles, 2 from scarlet fever, 22 from diphtheria, 16 from whooping-cough, 18 from enteric fever, 233 from diarrhea and dysentery, 9 from cholera and choleraic diarrhea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 317 deaths were referred to these diseases, being 61 above the

corrected average weekly number.

The deaths from measles, which had been 52, 34, and 33 in the preceding three weeks, further fell last week to 17, the corrected average being 18; 3 cases belonged to Bermondsey, and 3 to Lambeth Sanitary areas. The deaths from *scarlet fever*, which had been 7, 5, and 5 in the preceding three weeks, fell last week to 2, the corrected average being 20. The deaths from diphtheria, which had been 29, 29, and 24 in the preceding three weeks, further fell last week to 22, which is just half of the corrected average. The deaths from whooping-cough, which had been 18, 31, and 25 in the preceding three weeks, further fell last week to 16, and were 14 below the corrected average. The fatal cases of enteric fever, which had been 16, 18, and 11 in the preceding three weeks, rose again last week to 18, and were 2 above the corrected average; 2 cases belonged to Hackney, and 2 to Battersea sanitary areas. The deaths from diarrhæa, which had been 426, 368, and 322 in the preceding three weeks, further fell last week to 233, but were 109 above the corrected average. Of the 233 deaths from diarrhea, 218 were of children under 5 years of age; 106 more deaths at this age-group were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 169, 131, and 170 in the preceding three weeks, fell again last week to 133, and were 18 below the corrected average. The deaths attributed directly to *influenza* numbered 4, having been 3, 1, and 3 in the preceding three weeks.

Different forms of violence caused 62 deaths, concerning all but 1 of which inquests were held. Of these 62 deaths, 10 were cases of suicide, and 1 of homicide, while the remaining 51 were attributed to accident or negligence. Twelve of these were referred to vehicles in the streets, 3 to drowning, 2 to the effects of anesthetics administered for surgical purposes, and 9 (including 8 of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2640 cases of scarlet fever, 1486 of diphtheria, and 228 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 336 cases, against 225, 252, and 298; of diphtheria, 205 cases, against 188, 176, and 183; and of enteric fever, 42 cases, against 28, 29, and 29.

GREATER LONDON.

In Greater London 3811 births and 2247 deaths were registered, corresponding to annual rates of 30.4 and 17.9 per 1000 of the estimated population. In the Outer Ring 4 deaths from measles, 3 from scarlet fever, 7 from diphtheria, 5 from whooping-cough, 5 from "fever," and 108 from diarrhæa were registered. Four deaths from diphtheria and 41 from diarrhæa occurred in West Ham district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.85 inches, and that of the Thermometer 57°.5; the latter being 0°.4 below the week's average in the 50 years 1841–90. The direction of the wind was westerly, the horizontal movement of the air being 19 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 23.5 hours; the measured rainfall amounted to 0.27 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous

\* See note \* on first page of this return

														•					•																	
	CITIES	AND BOROUGHS	Cols.	33 TOWNS.	LOWDOW	WEST HAM	Opogroum.	BRIGHTON	PORTSMOUTH	PLYMOTTER	BRISTOI.	CARDIFF.	SWANSEA.	WOLVEBHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BULTON.	MANCHESTER.	SALFORD.	OLDHAM.	BURNLEY.	PRESTON.	HUDDERSHIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
A.L.L.		In Centi- metres.	24.	99.0	0.00	0.00	0.58	0.30	0.76	ı	0.53	1	ı	0.63	1	0.81	1	0.43	1	1	1.14	ı	1	1	1	1 1	1	0.84	1	0.43	1	1	1.05	1	ı	1
BAINFALL,		In Inches.	133.	0.56	07	77 0	0.00	0.19	0.30	1	60.0	1	1	0.52	1	0.32	1	0.17	ŧ	1	0.45	1	ı	1	1	1 1	1	0.33	ŧ	0.17	1	1	0.40	1	1	1
100000		Centigrade.	22.	13.67	71.77	14 17	12.90	14.83	15.44	,	15.06	,	)	12.94	1	13.00		13.61	ı	1	13.28	ı	1	1	1	1 1	ı	12.17	1	12.72	1	1	12.67	ı	1	1
W 7 7 7 0	Mean.	Tahrenheit.	21.	58.6	10	0 10	1 200	58.7	28.8	, ,	1.69	1	1	55.3	1	55.4	,	56.5	1	1	8.99	1	1	1	ı	1 1	ı	53.9	ı	54.9	1	1	54.8	1	1	
		Lowest.	20.	40.0	6.67	9 9 1	40.0	44.0	48.0	ı	47.0	. 1	ı	41.8	ı	42.0	<u>,</u> '	44.0	1	1	51:1	1	1	ı	1	1 1	1	42.7	1	43.2	ı	ı	41.0	4	ı	-
		Hahrenheit. Lowest.	19.	2.1.2	G: []	911	80.0	20.0	0.02	1	71.0	1	ì	69.4	I.	9.69	ı	71.3	ī	1	0.79	1	ı	ı	1	f f	1	8.99	ı	8.19	!	1	0.89	1	i	ī
00,	eaths.	From Diseases in Cols, 6–12,	18.	5.4	6	0.0	. G	20.00	0 60	4.1	9.6	5.1	5.5	11.2	9.2	2.8	8.2	7.5	3.4	9.6	0.6	2.8	0.8	9.6	00.5	5:0	16.4	4.5	4.3	4.4	5.4	7.4	2.9	8.7	5.4	Ω. 12
per 10	to the Week's Deaths.	From All	17.	1.12	10.0	10.5	19:01	25.8	18.6	17.6	16.9	16.8	20.1	31.7	25.2	9.01	19.2	8.17	15.7	17.7	30.9	22.22	26.2	3250	E./.1	100	31.0	17.6	9.21	9.61	18.1	21.9	21.6	29.4	25.9	6.77
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		Deaths in Public Institutions	15.	881	161	14	1 60	0 0	11	0.1	22	3	4	9	43	1	10	17	67	10	65	7	49	16	0 4	# 4	· 60	4	5	16	18	14	16	16	1 6	07
		Inquest Cases.	14.	297	145	0	1	4		Н	6	4	20	ന	10	4	4	-	4	က	14	4	18	4	2/1	<b>⊣</b> en	· -	7	22	33	11	4	10	ಣ	-	က
	-	Уіодепсе.	13.	150	69	3 10	,	6	7	1	2	က	1		ත	, eco	ന	4	62	1	6	ଦୀ	6	c/3	01 1	- 6		-		6.7	9		9		1	က
		Diarrhoa.	13.	931	983	9.4	1 9	10	16	-	17	14	6	17	58	9	17	30	<u></u>	4	88	26	72		χ <u>τ</u>	) T	36	1-	2	13	28	31	26	20	77	19
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	rom	Whooping-	10.	55	16	1 1	1	ı	হয	1	7	റേ	7	7	2	1	Н	1	1	1	5	1	4	~ ·	- ·		( 1	1	1	ŀ	ಣ	0.7	1	1	1	က
	Deaths from	Diphtheria.	9.	69	66	1 0		1	က	ı	ଚୀ	ı	1	1	2	ı	9	6.3	1	7	4	1	~	Ţ	l r	7 -	1 1	1	-1	ı	10	00	1	ł	1	
i	A	Soarlet Fever.	00	22	0.	1 1	1	I	1	ı	-	1	1	ı	٦	1	ಣ	1	ı	1	4	1	1	က	<b>2</b> 4 0	23 1	-	7	щ	2	ı	1	1	1	1	1
		Measles.	7.	39	17	1	-	۱ ۱	-	_	1	1	1	- 1	1	1	ে	ı	1	ı	্য	ı	4	C1	1 0	ا در	1	1	1	1		ಣ	ı	1	1	1
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	aths of	Persons aged 60 Years and upwards.	5.	772	391	14	10	14	10	4	26	9	C	7	30	2	13	14	က	6	22	ಣ	43	16	× 00	# 6	10	7	6	18	18	26	17	27	9 ;	17
-	Deatl	Infants under I Year of Age.	4.	1834	579	49	13	24	28	17	35	33	17	28	113	6	36	20	17	12	137	88	118	19	77 %	24	88	Ħ	14	35	22	58	37	34	31	46
during			ຄນ	4617	1643	111	60	61	89	34	104	09	40	54	249	23	08	100	32	39	376	69	273	136	50	54	70.	35	33	68	147	152	26	85	53	109
Registered during	16th Ser	BIRTHS, DEATHS.	ori	6877	2675	183	62	20	101	1.9	189	109	17	73	364	99	130	112	22	73	473	95	355	141	20 17	92	99	53	62	123	251	251	136	87	63	134
		to the middle of the Year 1899,*	1,	11,404,408	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	218,244	150,772	135,081	117,622	103,464	97,721	236,241	423,889	361,169	234,270			228,625
			Cols.	ı	1	1	1	ı	2	ı	1	1	1	TON	1	ı		1	1	š	1	1	l.	1	L	1 1	1	CD L	1	1	1	1	1	1	1	
	CITIES	AND BOROUGHS.	0	33 TOWNS	T.ONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL -	BOLTON -	MANCHESTER	SALFORD -		BURNLEY -		HUDDERSFIELD	HALIFAX -	BRADFORD -	LEEDS	SHEFFIELD -	HULL -	SUNDERLAND	GATESHEAD -	NEWCASTLE -

Table 2. LONDON.—Births and Deaths Registered in the Thirty-Seventh Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2432 1279 1153	2539 1258 1281	2507 1275 1232	2547 1318 1229	2635 1350 1285	2569 <sup>-</sup> 1251 1318	2557 1289 1268	2440 1217 1223	2633 1353 1280	2499 1266 1233	2668·0 1352·6 1315·4	2675 1382 1293
TOTAL <b>Deaths</b> -  Males  Females	1236 652 584	736 674	1274 678 596	1381 723 658	1441 728 713	1241 624 617	1298 659 639	1251 683 568	1378 740 638	1832 972 860	1445 <sup>*</sup> 8 757 <sup>*</sup> 0 688 <sup>*</sup> 8	1643 885 758

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirty-seventh week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

		ın	1 HO	SPITA	LS, 1n	tne 1	ast T	HIRT	EEN V	VEEKS	5.				
		J	June 24.	July 1.	July 8.	July 15.	July 22.	July 29.	Aug. 5.	Aug.	Aug. 19.	Aug.	Sept.	Sept.	Sept 16.
TOTAL Births	-	-	2422	2441	2484	2351	2444	2494	2577	2214	2671	2646	2532	2442	2675
TOTAL Deaths -	-	-	1355	1297	1310	1387	1589	1884	2200	2068	2208	2100	1931	1934	1643
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{matrix} \textbf{Under 1 ye} \\ 1-5 \text{ years} \\ 5-20  \\ 20-40  \\ 40-60  \\ 60-90  \\ 80 \text{ years and} \\ \end{matrix}$	-	ds	272 199 91 215 279 254 45	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62
Deaths from— Small pox — — Measles — — Scarlet Fever — Diphtheria — — Whooping-cough — Typhus — — Enteric Fever — Simple Continued I Diarrhœa and Dyse Cholera — — —			- 65 4 28 35 - 6 - 9	51 11 25 26 - 11 20	50 12 31 27 - 7 28 -	1 48 4 37 26 - 6 - 75 2	- 46 8 42 20 - 8 - 185 7	56 5 35 19 - 13 - 350 12	- 60 6 44 27 13 477 21	54 8 26 16 - 12 - 463 21	48 8 33 28 - 11 - 481 16	52 7 29 18 - 16 - 426 21	34 5 29 31 18 368 22	33 5 24 25 1 11 - 322 8	17 2 22 16 18 233 9
All the above Disea	ses	-	148	144	155	199	316	490	648	600	625	569	507	429	317
Dis. of Respiratory Phthisis Dis. of Circulatory Violence Inquest Cases Deaths in Public Inst	System	-	190 153 116 86 162 460	159 153 124 73 143 456	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464
TEMPERATURE OF T Mean Mean of Highest rea Mean of Lowest rea	dings		60°7 69°7 53°7	62·3 73·1 53·8	62:3 71:9 54:3	66·2 77·7 56·9	70°2 83°2 57°9	64.8 75.4 55.3	67·5 78·8 57·3	63.8 74.6 55.7	66.5 77.4 57.2	66.4 79.8 53.6	63°5 74°1 55°2	65.6 76.5 55.2	57.5 67.0 48.8
Humidity of the Air		-	73	68	71	67	58	67	69	73	64	63	71	70	73
Rain-fall(in inches)		-   (	0.21	0.74	0.13	0.09	0.06	0.97	0.09	0.03	0.00	0.00	0.29	0.54	0.27
Registered Sunshine(	in hours	3) 2	26.2	43.9	31.4	49.4	71.0	63.6	79.7	54.9	49.4	74.8	53.4	47.5	23.5
CASES C	F INFE	CTIC	ous s		ESS IN	Hosp	ITALS	* AT T	HE EN	ID OF	EACH	WEE	K.		
Small-pox			2367 1230 109	2430 1280 105	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. ?reston, Esq., F.R.Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley Wolverhampton; Arthur Brown. Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool: H. O. Pilkington, Esq., M.R.C.S. Preston; A. Johnson, Esq., M.Inst. O. E., Bradford; and Mr. E. Peak, Hull

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 4. THIRTY-SEVENTH Wook of the Voor 1800

			Тв	IIR'	TY-	SEV	VEN	ТН	W	eek of the Year 1899.								
	r the years	Sa	In i turda	the 7	Weel th S	k end epter	ling	1899	9.		r the years	Sa	I: turds	the	Wee 6th S	ek en	ding	1899.
	ges for the 10 5*.		Dea		of Pe	es	LS Of		_		ges for the 10 8*,		De	aths	of I	Perso	ns of	
CAUSES OF DEATH	Averages k of the 1889-98*.			nder 30.		er 40.	er 60.	er 80.	and	CAUSES OF DEATH	Averages c of the 1889-98*,	ai.	τ	nde 20.	r	under 40.	under 60.	ler 80.
	Corrected 37th Week	ALL AGES.	0-1	1-5.	5-20.	20 and under 40.	40 and under 60,	40	80 years upwards		Corrected 37th Week	ALL AGES	0-1.	1~5.	5-20.	20 and und	40 and und	60 and under
CAUSES	1445'8	1643	572	187	80	201	282	259	62	Diseases of Circulatory System }	110:3	110	-	1	8	22	35	40
all- {Vaccinated† - Unvaccinated	0.1 0.3 0.2 17.9 19.7 0.2	17 2 -	- - 5 1	12	1	111111	11111	11111	1 1 1 1 1 1 1	Croup Bronchitis Pneumonia Other Diseases of Res-) piratory System -	3.8 71.8 56.3 2.9 16.5	1 53 61 2 16	1 7 11 - 2		2 -	- 1 10 1 1	- 9 8 1 3	26 15 - 5
apsing Fever nenza - opping-oough - htheria ple Continued and defined Fever - lera and Chol, Diarr. rrhea, Dysentery ittent Fever -	2.7 30.1 43.6 0.2 15.6 3.7 123.9	4 16 22 - 18 9 233 - -	1 5 2 - 8 179 -	- 11 17 - - 39 -	2 - 3 - 5	12	- - - 1 5 -	1 1 8	1 - 1 - 1 - 2 - 1	Dentition Quinsy, Sore Throat Enteritis Gastro-enteritis Diseases of Liver Other Diseases of Digestive System	6·0 1·4 45·7 { 7·6 27·8 29·1	3 28 118 6 25 37	3 - 13 90 1 3 12	16	- 5 - 2 2 4	- 3 1 1 - 5	- 1 6 2 13 4	- 1 5 - 5 4
irophobia	0.2 10.6 4.3	1 15	1 10 3	- 1	- 1	- 1	- 2	1 3		Diseases of Lymphatic System & of Ductless Glands	2.1	3	1	-	_	-	1	1
emia and Septicæmia rperal Fever er Zymotic Diseases	2.6 4.1 0.5	8 2 2 1		-	1	1 2 -	- 1	E. 1		Diseases of Urinary System	42.7	53		1	-	8	21	22
ush	1.6 0.5	-	 -	-	-	-	-	-	-	Diseases of Generative System Accidents of Childbirth-	5°7 3°7	5 3	-	-		3	2	1
evation, Want of	2.8							- <u>-</u>	·	Diseases of Locomotive System }	4.4	5	1	3	 	-	-	1
reast-milk }	11.4	14	,-		-	6	8	-	-	Diseases of Integumen- tary System-	5.9	3		_	_	-	2	1
tumatic Fever, beumatism of Heart } tumatism	7.7 1.2 2.4 3.8 67.7 34.1 20.3 141.7 18.4 12.6	6 2 3 8 81 39 28 183 15 12	- - - - - 28 9 2 3 1	- - - - - 16 3 3	1 2 2 12	3 - 9 - 1 85 1	1 - 32 - 72 - 2 2	1 1 2 37 - 8 2 5	1 2 - 1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) In Building Operations In Conflagrations - By Burns, Scalds, Ex- plosions -	54.2	5 12 - 1 - 3		2 - 1	3 - 2	31	1 3 - 1	1 1 1 1
mature Birth	44.0 3.8 8.9 41.3	58 3 1 47	58 3 1			-		16	31	By Drowning By Suffocation in Bed - By Poisonsor Poisonous Vapours Other or not stated causes		9 2 16	- 8 - 5	-	2	- 2	2 3	-
oplexy	35·9 8 7 40·0 82·3	37 8 29 65	- 26 12	1 3 9		1 -	4	18	2 - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1*4 10 3	10		-	-	7		1 3
eases of Organs of pecial Sense	2.2	3	1	-	2	-	-	-	-	OTHER CAUSES	62:4	57	51	4	-	-	1	1
The numbers in this co	lumn ar	e the	2 7/01	2000	3 337	eek'	lar d	est	hof	or the ten years 1889-98, rais	ed by 5"	213 pc	er c	ent	. for	r in	crea	ase

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase population.

Only those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered dical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the see of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence attinguests is often insufficient to enable the Coroner to errify whether a violent death be the result of ident, murder, manslaughter or suicide. All such causes are classed under "accident".

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEA SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 16th Sentamber, 1899

								The	DEAT	THS r	egiste	red d	uring	the W	7eek i	nelu	10	
ı		Enume-			Dea	thso					Deat	hs fr	om,	-				1 100
	REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Tota BIRTHS,	Total DEATES.	Infants under I Year	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence.	Inquest Cases.	Doothely Dublic institutions
	LONDON	4,411,710	2,675	1,643	572	321	_	17	2	22	16	_	18	-	233	62	145	464
	WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	424 600 123 460 1,068	253 349 100 287 622 32	81 126 33 87 245	48 64 13 56 130	-	31238	1 - -	3 6 1 2 10	4 1 - 5 6		3 3 2 3 7		26 56 15 38 97	8 14 9 14 17	17 29 16 47 36	78 87 40 98 128 32
	WEST DISTRICTS.  St. Mary Paddington $H = -G$ .	90,996 <b>33</b> ,510	52 <b>1</b> 0	31 5	14	2 -		-	1 1	1 -	2		1 1	-	4	2 -	3 -	7 3
I	Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	60 <b>1</b> 2	43 8	13 3	11	~	3 -	-	-	-	_	. 1	-	6	2	3 1	15
1	North Hammersmith $\dagger H$ South Hammersmith $\dagger H$ Fulham $Ww W$ , & C.	44,638 59,561 113,781	36 36 97	16 20 47	8 7 16	1 7 4		1 - 1	- 1	- 2	-	+	- 2	-	1 3 5	1 1 1	1	4 14
Carlotte Co.	Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	12 24 17	5 21 9	2 4 4	2 8 1			-	-	1 -	1 1 1	-	-	1 - 1	- 1	1 - 1	12
STATES OF STREET, STRE	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	5 31 15 4	9 22 7 7	4 3 2	6 5 -		-	-	1111		1111			1 3 -	1 1 1 1	1 2 - 2	9 10 - 2
これがないない はい	$\left\{ egin{array}{ll}  ext{St. James Westminster} \ WH \  ext{St. Anne Soho} & HHHHHH \ - \  ext{N. & G.} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	23,050 12,048	3 10	2 1	1	1	-	-	-	-	1 -	-	-	-	1	-	-	1. 1
では、一般のでは、 ・・ ・ 一般のないのでは、	NORTH DISTRICTS.  All Souls Marylebone } - W. Rectory Marylebone W G. & W. St. Mary Marylebone B G. & W. Christchurch Marylebone H - W. St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	11 6 28 12 12	24 3 8 9 5	5 2 4 2 3	9 - 2 1 -	-	-	-	1	- 1 -	1 1 1 1 1	1 1 1 1		- 1 2 2	1 - 1 - 1 -	2 1 - 1 - 1 -	16 - 1 -
The second	$ \begin{array}{c} \text{Hampstead} \\ WWHHHHH \end{array} $ - N. & W.	75,449	43	19	5	6	-	-	-	1	-	-	2	-	1	1	1	4
	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	37,341 26,757 29,426 32,161 16,669 98,410	20 11 13 16 14 51	10 11 7 9 9 36	3 1 4 4 2 13	- 2 - 4 7			1 1 1 1 1 1		1 1 1 1 1	1 1 1 1 1			2 1 2 1 2 1	1 2 -	3 1 2 2 1	- 7 4 2 5 6
		98,273 107,365 66,549 64,577	65 79 50 32	49 38 25 12	12 19 15 6	4 5 4	1 1 1 1	1	1 1 1 1	1			1 1 1 1	-	3 11 6 2	2 3 1	4 3 -	24
	Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	15 19 36 37 30	6 12 20 15 22	3 7 8 8	54325	11111	11117	1111	3 -	(1111		1	11111	3 1 3 2	1 - 1	1 2 1 2	- - 5 4 9

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District or Union; w—Workhouse belonging wholly or partly to other District received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. significand Junction Company; w. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. N. See note; on first page of this Return.

\* See note; on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and the re-named North Hammersmith and South Hammersmith, respectively.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES SARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each UB-DISTRICT during the Week ending Saturday, 16th September, 1899—continued.

UB-DISTRICT during the We	ek endin	g Satu	irday.	, 16t	h Se	pter	nbei	r, 18	99-	-con	tinu	ed.						
							Tì	1e DE	ATH	regi	stered	durir	gthe	Wee	kine	lude		
	Enume-			<u> </u>	thsoi	-				Deat	hs fr	om					utions	of
EGISTRATION SUB-DISTRICTS	rated Population 1896.	Total BIRTHS.	Total DEATHS	Infants under 1 Year of Age,	Personsaged 60 Years	Small-pox,	Measles,	Scarlet Fever,	Diphtheria,	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea,	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes
		All Colors of Assaultaneous											1					
CENTRAL DISTRICTS.  eorge Bloomsbury N. iles South WH N. iles North H N.	16,110 12,976 9,151	8 6	1 7 1	3 -	2 -									ī -		1	- 2 1	
artin-in-the-Fields HHN.&C. ad WHH N. ad Union Workhouse, Edmonton	13,077 11,839 †1,037	3 4 -	9 5 -	2 -	1 1 -		- 1 -	-			-	-	-	- 1	2 1 -	3 2 -	8 1 -	
orn wHHHHHH - N.  mes Clerkenwell - N.  rell Clerkenwell - N.  rell-street - N.  ecross-street - N.  cornsus - N.  man Union Workhouse, leham	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	16 8 17 6 36 4 3	13 7 8 6 15 3 2	8 3 4 2 9 2 -	1 1 2 - 2 -		- - - -				-	1111111		1 1 3 1 5 1 -	1 1	2 - 1 1 3	8 - 4	111111
otolph* HH N.&E. plegate N. epulchre WH N. dlows Barking N. of London Asylum, Stone	9,762 3,299 9,591 9,059 †388	4 2 -	3 1 19 - -	11111	1 2 -	1 1 1 1	-		- 1 -		1111	2 -		1	3 -	- 3	16	1111
EAST DISTRICTS.											,							
editch South $Hl$ - E. & N. on New Town $w$ - N. on Old Town - N. erston $WH$ - N. & E.	17,975 29,575 27,645 47,163	11 30 15 34	7 13 8 12	2332	2 6 1			1 1 1 1		1 -	1111			1 1 1 1 1 1	2   1	3 2 1 1	2 6 - 4	1111
nal Green North $H$ - E. nal Green East $WHl$ - E.	49,301 34,194 45,667	45 25 27	14 14 37	8 6 11	1 12	-	-		1 -	-	-	ī	-	3 - 5	- 3	3 2 7	2 17	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	26,681 } 51,995 {	9 22 8	9 37 4	4 6 -	1 8 1	-	1 1 1		-	-	-	2 -	-	1 - 2	1 1 -	2 4 1	27	
eorge's North E.	39,576 7,930	17 4	14 8	4 2	1 3	-	- 1	-	-	1 -	-!	-	-	- 1	-	2	- 8	-
well H E.&N. liff W E. house E.	10,434 14,954 32,917	6 11 21	8 2 6	3 1 2	- 1		- 1		1 -	-	-	-	-	- 2 1	1 -	1 1 1 1	6 -	
End Old Town West $H$ E. End Old Town East $H$ = E. $H$	111,060	{ 35 26	10 25	7 7	17	-	-	-	-	1	-	-	-	3 5	-	1 5	1 8	-
ley wwwH E. ar WW E.	41,687 69,821 57,759	24 48 42	12 30 17	5 6 5	182	-	1 -	1 1 1	-	2 -	-	-	-	245	1 2 2	1 5 4	1 15 1	

\* The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.

† Population in 1891, not included in the total population of the Central Districts or of London.

hitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub
District and Goodman's Fields Sub-District.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-FOX, MEASURET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 16th September, 1899—continued.

SUB-DISTRICT during the Wee		Duota	i day,	1001	100 I	70011	,	100								
							Thel	DEAT	HS reg	gistere	ed du	ring t	he W	ekir	clud	В
	Enume-				hs of				D	eaths	from	l				
REGISTRATION SUE-DISTRICTS	rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATES,	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	ScarletFever,	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	InquestCases.
SOUTH DISTRICTS.	P. Marine III.		:													
Christchurch Southwark WHL.&S.  St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	13 8 13 9 8 20 47 23	7 4 9 9 12 6 18 10	2121548373	1 1 2 1 2 3	11111111	1	4111111		1 1 1 1 1 1 1 1 1	1111111			- 1 3 2 1 6 1	1 1	1 2 1 2 3
St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	3 56 21	17 25 18	11 3	- 6 7	1 1 1	3 -	-	1,11		1 1 1	1		- 4 1	3 -	3 1
Waterloo-road HH       -       L. & S.         Lambeth Church 1st       H -       L. & S.         Lambeth Church 2nd       WW       L. & S.         Kennington 1st       H -       S. & L.         Kennington 2nd       -       S. & L.         Brixton       w       -       L. & S.         Norwood       WH       -       -       L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	28 13 36 39 21 47 20	7 20 31 15 11 16 13	3 3 7 9 4 9 7	- 5 10 2 3 4 4	11111	1 1	- - - 1	1	111111	1411111	- - - 1	-	2 3 1 1 3	- -1 -	111111111111111111111111111111111111111
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	52 66 27 24 8 37	26 31 5 21 4 21	13 11 2 9 1	202734	1,4 1-1 14	111113		- 4	- - - -	11111	1 1 -	1,111,1	5 1 2 1 2	1	1 2 1
Dulwich L. & S. Camberwell Wull - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	1 49 52 52	* 52 34 28	14 17 13	14 6 6	1 1 6.1.	1		1 -		1 1 1 1	1111	1.1.1.1	13 13	2 1	1 3 2
Deptford North K. Deptford Central $w$ - K. Deptford South K. Greenwich West $H$ - K. Greenwich East $WH$ - K.	36,152 45,441 33,402 23,012 37,767	31 26 15 -20 30	12 9 7 10 26	4 5 2 4 10	3 2 4	-		-	1	1 - 1	11111	1 -	11111	32113	ī ī	1
Eltham $wH$ $K$ . Lee $H$ $K$ . Lewisham $WwH$ $K$ . Sydenham $H$ $K$ .	5,911 24,222 38,139 37,601	3 13 38 25	1 6 16 19	- 1 9 12	1 3 1 2	1 171 1			-	1 1 1 1	1111	1111	1 1 1 1	5 2	1	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	11 13 13 10 27	9 6 9 4 18	23425	1 1 1 5	1111	111,111		2 -	- 1 - 1	11111	2	11111	2 1 2 3	2	2 1 -
Banstead Asylum			1 44 77 -1 1 3 3 4 4 - 3 6 6			1111111111								1		

E 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, IOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 16th September, 1899.

								The	DEA	THS	egist	ered i	n the	Week	inel	ıde		
			Enume-			Deat	hsof			]	Death	s from	n					200
	REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	вівтня	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhoes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
N	DON-OUTER RING -	368,749	1,422,063	1136	604	273	106	-	4	3	7	5	5	108	12	28	56	4
	Carshalton wHH	12,228 10,423	26,108 12,508	11 10	8 3	2 2	2	-	-	-	-	1 1	1	1	-	Ę	-	-
-	Godstone, part of * W -	2,754	1,598	1		-	-	-			=	4	-	-	: 🕆 .	(*)	. 🖘	-
	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	75 18	39 7	15 6	7		1	-		1	4 +	7	4	1	3	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	23 24 7 6 9	15 17 3 -5	11 8 - 2	1 1 1 -	11 1/1 1	-	-	1.1/1.1.1	1 1 1 1 1 1	1	2 3 - 1	1.1858.1	1	1 7 -	
-	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	25 13	12 11	1 6	4	-	_			-	ī	3	1	1	4	-
	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	14 13 19	8 7 10	4 2 3	2 3 4	-		- - - -,	111	1-1-1	1 1 1	ī	1 1 1	1 1 1	- 2	-
	Bexley HHH	12,540	30,590	34	9	6	2 -	-		- 1	-	-		1	-	-	-	-
	Sunbury w Staines WH	11,054 13,277	13,671 13,221	7 8	44	. 3	ī	-	_	-	-		-	· _	-1	ī	1	
	Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	4 10 8	3 2 2	1 1 1	1 1 1,		-	-	1 1 1	111		1	1.4.1.			
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	13 11 23 10 30	6 1 6 6 15	1 5 4 7	1 1 1		- - - 1	1	11111	1	- - 1	2 - 1 1 5	171111	1 1 -	1 -	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	7 2 65 8	9 2 35 11	2 14 2	2 - 5 6		- 1	- 1	1	3	111	9 2	1 -	1	1 1 4	
	South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 . 14,152 25,820	10 16 10	3 11	- 1 7	1 2	-	-	-	111	1 1 1	1 1 1	- - 4	1	1	1	-
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	49 70 35 18 3	25 37 27 20 2 2	7 23 11 11 2 1	6 5 7 5 -	11111	1	1	- 1 - -	111111	111111	4 7 6 2 -	111111	1 - 3 1 -	3 5 1	1
	Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	4	2 -	1	1 ( 1	-	11.3.		1 1 1			1		-		
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,266 4,334 6,501	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330	39 56 54 34 52 62 70	21 31 28 23 28 38 19	10 16 13 9 18 12 11	1 3 - 7 3 11 1	111111	111111		1 1 1 1	1111111		7 5 9 3 6 4 7	1 2 2 2	1 2 3 1 2 2	3 2 1 - 9 1	
	Chigwell, part of * HHHH Epping WH, part of * Romford, part of * WH -	11,779	12,941	- 4	-	-	-	-	-	1 - 1	-	7	-		-	-	-	
	Barking Town, H	6,556 8,493 3,814	4,324 10,913 14,301	$\begin{array}{c} 4 \\ 16 \\ 20 \end{array}$	8 3 13	3 5	4 2			7.1.7	7 - 1		-	1 1		- 2	1 -	
	North-western Hospital - Middlesex County Asylum, Wandsworth.		diame.	-	1 2	-	-	-	-	17.1	1	, <del>-</del> -	-	=		-	1 2	

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst field sub-district; 137: 1, the parish of Northaw in field sub-district; 137: 1, Chigwellsub-district, except the parish of Theydon Bois and part of the parish of Epping 0,1,079); 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for octions Diseases belonging to the Outer Ring in 42; 2, Dartford; 137: 2, Watford and 187: 2, Epping sub-districts

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 16th September, 1899.

									_		_	-	_	THE OWNER OF THE OWNER, WHEN	-	_
ı			and the same of	ANNTIA	L RATE			The DI	ATH	8 reg	istere	d in tl	10 We	ek inc	lude	
ı		Area	Population estimated	of MOB	TALITY 0 living.	DEATHS	Dea	ths of				Deat	hs <b>f</b> ro	m		
	GREATER LONDON,	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	TOM ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping.	Fever.	Diarrhoss.	Violence.
ı	Cols.	, ï.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15.
ı	GREATER LONDON	443,421	6,528,434	17:9	3.2	2247	845	427	-	21	5	29	21	23	341	74
	INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	18·8 15·9	3·5 3·5	1643 604	572 273	321 106	-	17 4	3	22 7	16 5	18	233 108	62 12

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivalent the area of a circle having a radius of 14.851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

•		аци	in certain	LORMIGE	( OIIIII);						
					ANNATAT	DE	ATHS	FRO	M PRIT	SES.	L ZYM
i v	POPULATION (enumerated	DATE OF RETURN.	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE	00X.	98.	et:	Diphtheria.	Whooping- cough.	· H
CITIES.	or	Week ending	Exclusive	of Stillborn	per 1000	11-1	Measles.	Scarlet Fever.	th	oppi	Fever.
	estimated).	THOOL OLGEN			living.	Small-pox.	Me	NO F	Dip	Who	H
	<u> </u>								1 -		
EDINBURGH -	298,927	Sept. 16	142	119	20.8	-	1 4	1	$\frac{1}{2}$	4	2 9
GLASGOW	733,903	,, 16	486 236	317 235	22·5 35·1	_	23	1	1	1	9
DUBLIN	349,594	" 16	230	250	20 T		20	1		7	
CALCUTTA	466,460	Aug. 5			-	6	7	2	9	7	116†
BOMBAY	821,764	,, 22	205	593 276	37·5 31·7	, _	7	5	 9	. 9	61
MADRAS	452,518	,, 11	347							3	
PARIS	2,511,629	Sept. 9	II.	814	16.8	_	7	. 5	· 6*	3	21 4
BRUSSELS	551,011	,, 9		216	19.9			3	1*		
AMSTERDAM -	517,595	,, 2	13	124	12.5	- 1	~	ena	- "	1 2	2 2
ROTTERDAM -	315,305	,, 2	222	125	20.5	-	-		1	2	2
THE HAGUE -	199,285	,, 2		57	14.9	-	. ~		100		
COPENHAGEN -	345,000	,, 9	11 .	161	24.3	- 1	-	1	. 5	2	1
STOCKHOLM -	291,580	, 2	13	96	17.1	-	1 1	2	7*	-	1
CHRISTIANIA -	221,255	6	ii		21.6	-				1	
ST. PETERSBURG	1,132,677	,, 2	11	490	22.6	2	12	5	17	11	19
Moscow	988,610	,, 2	-	523	27.6	3	4	4	3	1	3
BERLIN	1,818,517	Aug 26	961	874	25.0	-	11	7	10	13	2
HAMBURG	675,351	Sept. 9	11	257	19:8	-	-	1	2*	8	-
DRESDEN	394,300	Aug. 19	12	204	26*8 30*2	-	_	1 2	1*	3	
BRESLAU	406,012	Sept. 9	13	230	30°2 24°5	_		4		1	1
MUNICH	445,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					8	2	7*	2	
VIENNA	1,623,134	9	896 179	581 182	18.6 24.6		1	4	1	3	2
PRAGUE BUDA-PESTH -	384,622 666,722			274	21.4		3	10	4	_	3
TRIESTE	166,599	Aug. 26		81	25.3	_		3	1*	_	1
ROME	505,850			134	13.8	_	_				98
TURIN (10 days)	344,203	July 20	1	154	16.3		_	_	_	5	-
VENICE	171,023	Sept. 2	11	54	16.2	_	-	_		1	1
CAIRO	570,062	July . 1	381	501	45.7	1	36	2	7*	des.	-29
ALEXANDRIA -	319,766	,,: 1		238	38.7	1	_		2*	44	6§
NEW YORK		"									
(including }	3,550,053	Aug. 19	1383	1142	16.7	-	7	2	25	16	17
BROOKLYN) ) PHILADELPHIA -	1,266,832		-	403	16-7	-	-	3	26	6	0
1	2.5	The state of the s		1							

\* Including deaths from croup.
† Including 64 deaths from plague in Bombay and 5 in Alexandria.
‡ Including 2 deaths from cholero.
§ Including 5 deaths from malarial feyet.

									211.		TOW	grea		0007									_
		Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	sea :	bulb tions	r the	The mean	ment 5.	neter,	rate;	week	on the	1
Rain	Gange	whose	sinches above the Ground.	in.	00.0	00.0	0.00	0.00	0.00	0.14	0.13	Sum 0.27	25	el of the	The meane wet for correct	1868 for	umn 8). om the 1 trical Ta	al move ding 187	hermon	mode.	of the	n. by th	
1		on's.	Departure from Average of 16 Years.	Miles.	1	26 -	- 91	-197	06 -	~	+102	Sum -370	24	t. nean lev	h. P.M.	ending alb the	e air (col fuced fr fygrome	oroi the orizont; years en dicates "	rofthet	tering reak; munshine	ginning	n. by 8h to 29'62 i	
8.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	272	182	190	85	192	586	381	Sum 1591	23	midnight	M., and 91	y years	are of the	discussions of his transfer of	dexerro	eir-regis e; w.w StokesS	day.	to 29.92 i	
nometer	-	ne.	Mean of 24 hourly obs.	lbs.	0.3	0.0	0.0	0.0	0.1	0.3	0.2	:	22	thtto	3h.P. theres by the	twent of th	or the special properties of the special pro	roma , and 1 ords fo nind t	rtheir	son's s egativ pbell-	1 each :00 in.	eased and in	
m Anen		Pressure on the Square Foot.	Least.	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	23	nidnig s 159 fe	noon y bull value	the the	of ten of ten of the	rrved ig 1890 icrec ie in r	tedfo	N. nomi	ine or om 30	i incr 16th;	
aced fro		Pressu	Great-	lbs.	3.5	1.5	9.0	0.1	1.8	4.5	4.8	:	30	from retering	A.M.; ne dr; daily	graph luring ean r	e reac vadue degre ermon	hatde sendir ometr e borr	correc	trom tive; om th	sunstand fr	nereas te 14th on the	
Wind as ded	Osler's.	irection.	Р.Ж.		×	WSW. &	N. NE.	WSW., NNW.	NNW & N.	WSW. &	WNW. NNW.	& SW.	61	ivil day, or of the baron	taken at 9h. arometer, tl d into mean	of the photo neter, and corrected m	mean or the mean daily serature and wet buildth	of thearrist the 50 year. of the anem 124 it will b	ge, nn 17 arenot ed.	y is derived re:-P. posit 8, derived fr	on of bright meter decre	b. P.M. on the by 7h. A.M.	ı
		General Direction.	А.Ж.		W. &		NNW. N.		NE, NNE.	NNW.	SW. W.	NNW.	18	The results apply to the civil day, or from midnight to midnight.  The height of the civil are prometer at 188 feet above the mean level of the sea; if the height of the civil are the sea above the sea level.	Observations are usually taken at 91, AL, 1000 131, P.M., and 91, P.M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, and the wet bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections thermometer, are converted into mean daily values by the application of corrections.	deduced from a discussion of the photographic records made untilg the vectory that ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bub themometer is	combined the corrected mean of the readings of the maximum and therefore the remainder a compiler the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables.	Theaverage temperature of the arrist hander red than a discussion of the observations made as dreen with draining the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the anemoment of red for the 16 years ending 1876. In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and	- "louer," than the average. The valuesgiven in column 17 are not corrected for the index error of the thermometer, which cannot be determined.	The record of Electrolity is derived from Inomson's soli-registering Lieuroneuer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. sirtong; and v. variable.  The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument,	show the aggregate duration of bright sunshine on each day.  The reading of the barometer decreased from 3000 is at the beginning of the week.	or 20 yrs, m. by 4n, Am. on the Dut; increased to 300 in. by 1nn, Am. on the Addereased to 2003 in. by 3n, P.M. on the Lith; increased to 2003 in. by 3n, P.M. on the Lith; increased to 2003 in. by 3n, Am. on the Lith; decreased to 2003 in. by 7n, A.M. on the lith; and increased to 2003 in. by 7n, A.M. on the lith; and increased to 2003 in. by 7n, A.M. on the lith; and increased to 2003 in. by 7n, A.M. on the lith; and increased to 2003 in. by the end	
RE,		Of the Earth	3 feet below the Surface.	0	90.29	64.61	64.19	63-91	63.61	63.47	63.11	64.00	17	esults a	rvations e-readin	1873 fc	ned the smears laily de alues of	verage tt Green air from ading c	ver," the values g cannot	record ymbols ig; and number	he aggr reading	o in, by sed to 2 decreas	week.
TEMPERATURE,		tion	Lowest on the Grass.	0	36.8	34.1	41.6	36.0	46.3	37.7	46.3	39.8	16	The I	Observation of the contract of	deduce ending thermo	combin thermomean daily v	Thes made s of the	The Which	The S. s. s. The	show t	decrea 15th;	of the week
TEM		Radiation	Highest in Sun's Rays.	0	100.3	81.0	115.3	105.2	105.0	113.7	106.4	103.8	15		ıdless	:	nts of ards.	large	idless,	ening; it,	Variable and showery till afternoon; fine afterwards. Shoht thinderstorm at 3h. P.M.		
	Degree	of Hu- midity (Satu-			69	77	2.2	84	2.9	62	75	73	14	oğ.	evening; cloudless		Fine generally, with variable amounts of oud till afternoon; cloudless afterwards,	in morning; fine, with large cloud till 6h. P.M.; overcast	Cloudy till noon; very fine and cloudless, ith slight exceptions afterwards.	Fine and partially cloudy till evening overeast afterwards, with rain at night.	ernoor		
ween	ature	·e·	Least.	0	3.6	1.2	2.5	1.1	4.4	I.3	0.0	2.0	13	MARE	vening		riable dless	fine, 3h. P.1	fine anterwar	udy t	Hill aft		
ance bet	Temper Dew Poi	nperatu	Great- est.	0	17.7	13.3	17.3	16.5	19.1	21.6	14.3	17.1	12	L RE		st.	ith va	rning	very ons af	lly eles, with	wery		
Differ	the Air Temperature	Ter	Mean daily value.	0	1.01	7.1	7.5	4.6	10.9	12.9	6.2	2.8	17	GENERAL REMARKS	cloudy at nig	Generally overcast	ally, w ernoon	in mc cloud	Cloudy till noon; very fine and with slight exceptions afterwards.	partia rward	nd sho	0	
		Dew point.	Mean daily value.	0	45.4	48.0	51.1	53.7	49.0	45.4	48.8	48.8	10	GE	rally ry fine	rally o	gener till aft	A 44 .	dy till light e	Fine and rereast afte	able ar		
,E.		-1	De- parture from Average of 50 years.	0	- 2.8	0.8 -	+ 0.3	2.0 +	+ 21	9.0 +	8.0	- 0.4	6		Generally cloudy till and very fine at night,	Gene	Fine generally, with variable amounts of cloud till afternoon; cloudless afterwards.	Very fine amounts of afterwards.	Clou with s	Fine	Vari		
TEMPERATUR		ir.	Mean daily value.	0	55.5	55.1	58.3	58.6	59.9	58.3	2.99	27.5	000	Registered Sun above Sunshine Horizon, in hours.	13.0	12.9	12.9	12.8	15.1	12.6	12.6	Sum 89.5	29
TEMPE		Of the Air.	Daily Range.	0	151	23.2	17.9	25.8	12.7	22.9	6.2	18.5	7	ine H ine H irs. in					6	2.3	2.0		28
			Low- est	0	48.9	42.2	51.1	45.4	54.6	46.2	53.4	48.8	9	Registe Sunsh in hou	1.5	0.0	4.3	6.4	3.6	io		Sum 23.5	61
_			High-	0	64.0	65.4	0.69	71.2	67.3	69.1	62.8	0.19	5	of e,)	out -	ally;	A.M.; ning; ls.	A.M.;	noon;	ly till and is.	N. A.	ls.	
BARO-	Moon	daily	rected and re- duced to 32° Fahren- heit).	i,	29.973	30.006	29.969	29-904	29.870	29.772	29.457	29-850	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	w. P. generally m. P. occasionally.	w. P. till 9h. A.M. m. P. till evening w. P. afterwards,	till 9h. till 9h.	ards. till fterward	w. P. generally till 9h. P.M.; w. P. and v. N. afterwards.	v. P. and v. N.	fterward	27
		Phases			:	:	Gr. Dec. S.	First Qr.			:		3 6	ELI (For er symbic	w.P.	m. P. oc	m. P. w. P. at	w. P. till 9h. A.M.; m. P. till 9h. P.M.; w. P. and w. N.	afterw w. I m. P. a.	9h. P.M.	T. T	m. P. a	
			6	R.	10	11	12	13				,	- 11	4	101	- 11	- 12	13	14	- 15	- 16		1
	1000	1883.	MONTH AND DAY	SEPTEMBER	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

LONDON:
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1899.

#### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

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> General Register Office, Somerset House, September 25th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 20.6 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

		Weeks	endin	g	Weeks en	nding
Towns.	Sept.	Sept. 9.	Sept. 16.	Sept. 23.		ept. Sept. 23.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead -	24·0 28·6 19·7 33·4 26·3 34·3 18·5 33·7 28·9 18·8	18·1 28·9 24·3 33·8 23·8 31·3 20·8	17·7 25·2 20·8 22·2 19·6 25·8 16·9 28·1 16·8 13·5	25·8 22·5 21·2 22·2 17·2	Liverpool - 33·7 32·2 3 London 22·1 22·2 14 Manchester - 30·5 32·8 24 Newcastle-on-Tyne 32·6 35·8 24 Norwich - 23·9 23·0 16 Nottingham - 25·9 27·4 22 Oldham - 29·7 25·6 17 Plymouth - 20·7 22·8 17 Portsmouth - 32·5 21·3 18 Preston - 38·1 28·8 31 Salford 36·8 31·1 33	$\begin{array}{cccc} 0.9 & 27.9 \\ 8.8 & 18.9 \\ 6.2 & 26.4 \\ 4.9 & 27.6 \\ 0.6 & 17.0 \\ 1.8 & 22.7 \\ 7.3 & 16.3 \\ 7.6 & 17.6 \\ 3.6 & 19.7 \\ 1.0 & 23.5 \\ 2.5 & 27.2 \\ \end{array}$
Halifax - Huddersfield- Hull Leeds	21·3 25·2 27·4 19·9	19·7 22·7 27·2 18·1	17·6 17·6 21·6 18·1	15·5 10·6 21·8 21·5	Sunderland 29.0 31.9 29   Swansea 18.6 22.1 20   West Ham 20.7 22.2 19	9·4 28·6 0·1 8·5 9·3 21·0

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.4 in Burnley; from "fever," 1.1 in Nottingham, 1.6 in Sheffield, 1.7 in Salford, and 2.5 in Portsmouth; and from diarrhæa, 4.0 in West Ham, 4.1 in Portsmouth and in Wolverhampton, 4.4 in Nottingham, 4.7 in Birmingham, 4.9 in Gateshead, 5.5 in Burnley, 6.0 in Hull, 6.4 in Bolton and in Manchester, 6.8 in Sunderland, and 80 in Preston. In none of the thirty-three towns did the death-rate from scarlet fever or from whooping-cough reach 1.0 per 1000. The 87 deaths from diphtheria included 42 in London, 11 in Sheffield, 8 in Leicester, 5 in Liverpool, and 3 in Leeds. Three deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

### LONDON.

In LONDON† 2531 BIRTHS and 1649 DEATHS were registered. for increase of population, the births were 73 below, and the deaths 201

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong. Ring, or to other areas to which they belong.

above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 22·1, 22·2, and 18·8, in the preceding three weeks, rose again last week to 18·9. During the four weeks ending on Saturday last the death-rate averaged 20·5 per 1000, being 3·6 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 1649 deaths included 17 from measles, 8 from scarlet fever, 42 from diphtheria, 19 from whooping-cough, 24 from enteric fever, 162 from diarrhea and dysentery, 6 from cholera and choleraic diarrhea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 278 deaths were referred to these diseases, being 38 above the

corrected average weekly number.

The deaths from measles, which had been 34, 33, and 17 in the preceding three weeks, were again 17 last week, the corrected average being 14. The deaths from scartet fever, which had been 5, 5, and 2 in the preceding three weeks, rose again last week to 8, but were 11 below the corrected average; 2 cases belonged to Fulham sanitary area. The deaths from diphtheria, which had been 29, 24, and 22 in the preceding three weeks, rose again last week to 42, but were 6 below the corrected average; 5 cases belonged to Islington, 5 to Lambeth, 5 to Camberwell, and 4 to Shoreditch sanitary areas. The deaths from whooping-cough, which had been 31, 25, and 16 in the preceding three weeks, rose again last week to 19, but were 12 below the corrected average. The fatal cases of enteric fever, which had been 18, 11, and 18 in the preceding three weeks, further rose last week to 24, and were 7 above the corrected average; 3 cases belonged to Camberwell, 2 to Fulham, 2 to St. Pancras, 2 to Bethnal Green, 2 to Bermondsey, and 2 to Lambeth sanitary areas. The deaths from diarrhæa, which had been 368, 322, and 233 in the preceding three weeks, further fell last week to 162, but were 54 above the corrected average. Of the 162 deaths from diarrhoea, 137 were of children under 5 years of age; 96 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 131, 170, and 133 in the preceding three weeks, rose again last The deaths week to 138, but were 36 below the corrected average. attributed directly to influenza numbered 4, having been 1, 3, and 4 in the preceding three weeks.

Different forms of violence caused 71 deaths, concerning all but 3 of which inquests were held. Of these 71 deaths, 5 were cases of suicide, while the remaining 66 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, 5 to drowning, 1 to the effects of chlorform administered for surgical purposes, and 11 (of infants

under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2,758 cases of scarlet fever, 1,474 of diphtheria, and 235 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 364 cases, against 252, 298, and 336; of diphtheria, 219 cases, against 176, 183, and 205; and of enteric fever, 41 cases, against 29, 29, and 42.

GREATER LONDON.

In Greater London 3620 births and 2,241 deaths were registered, corresponding to annual rates of 28.9 and 17.9 per 1000 of the estimated population. In the Outer Ring 6 deaths from measles, 2 from scarlet fever, 17 from diphtheria, 3 from whooping-cough, 7 from "fever," and 98 from diarrhea were registered. Five deaths from diphtheria occurred in Edmonton district; 3 deaths from "fever" occurred in West Ham district, and 3 in Epping district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.62 inches, and that of the Thermometer 54.6; the latter being 0.2 above the week's average in the 50 years 1841-90. The direction of the wind was west-south-westerly, the horizontal movement of the air being 61 per cent, above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 38.3 hours; the measured rainfall amounted to 0.36 of an inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Farer. Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the Alagnosis is found after soloura in the Hospital to have been erroneous.

								Б	527	*T/	ι8,	. 1	Je	ati	18	, (	un	ıa	11/1	let	907	ro	log	y.												40	١٤
	CITIES	AND BOROUGHS	Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	Brrowner	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL,	SUNDERLAND.	GATESHEAD.	NEWCASTLE.	
ALL.		In Centi-	24.	2.08	16.0	1	0.26	0.23	0.63	1	68.0	1	1	0.48	1	1.83	1	2.13	ŧ	1	3.13	1	1	:	1	ı	1	7.11	1	4.80	1	1 3	2.01	1	1	1	
RAINFALL		'sequal ul	23.	0.82	0.36	1	0.55	0.51	0.52	1	0.35	1	1	0.10	ı	0.72	1	0.84	!	1	1.23	1	1	1	1 1	1	I	2.80	,	1.89	1	1 1	62.0	}	1	1	
EAIR.	ņ.	Centigrade.	22.	11.56	19:56	12.00	12.39	10.83	13.83	1	13.44	F	1	10.33	1	11.67	1	11:33	ı	1	10.83	1	1	ı	1 1	ı	. 1	9.04	1	10.83	1	1 0	10.39		1	-	
Annual Rate TEMPERATURE OF THE AIR.	Mean.	Fahrenheit.	21.	52.8	54.6	1 1	54.3	2.12	6.99	1	56.5	ł	í	9.09	1	53.0	1	52.4	1	ı	2.12	1	ı	1	1 1	ı	,	6.67	ı	2.12	ı	1 1	2.09	1 :1		'	
SATURE		heit. Lowest.	20.	36.2	43.9	1 1	42.2	9.44	46.0	1	41.0	1	1	36.2	1	41.3	ı	42.0	1	1	72.5	1	1		1	1	1	2.05	1	42.6	1	1 6	42.0	1	ı	1	
CRMPE	**	Fahrenheit.	19.	0.12	80.0	0.00	68.5	9.89	68.5	ı'	0.12	, 1.	1	64.8	1	0.99	ı	66.2	ı	ı	63.1	1	I	1	, ,	1	1	62.3	1	0.89	1	1 .	64.0	1	1	1	
Eate 1	eaths.	From Diseases in Cols. 6-13.	18.	स	2-1	4.3	4.1	4.7	£-	5.6	2.4	3.1	1.0	4.1	0.9	4.6	3.4	6.9	6.2	4.1	5.4	1.2	t./.	0 6 1 10	2000	3.0	8.4	3.0	2.7	က	4.6	p. /	0.0	7 2	# C	ر در	MINISTER STATEMENT
Annual per 10	to the Week's Deaths	From All Causes.	17. (	20.6	18.0	0.1%	15.1	16.1	19.7	9.21	14.9	16.8	8:5	14.7	22.2	17.0	9.91	25.4	13.7	25.8	6.22	61 62 63	26.4	7 000	6.98	21.5	23.5	10.9	15.2	17.2	21.5	0.97	8.15	2.80	# 07.0	0/2	THE CHARLES SHOWING
	- MACHINE SHAPE	Uncertified Causes of Des	16.	53	°C	) H	1 [	1	p	1	ı	i	1	1	9	l	2.1	4	ı	H	19	1	-	1	1 :	-	က	-	ł	П	I,	C.3	0	27 -		1	
	.8	Deaths in Public Testitution	15.	00	481	19	က	20	00	20	13	12	-	4	33	ıa	4	15	T)I	0	64	9	10	DT DT	9 9	00	67	_	20	4	100	00 ;	15	27 6	0 .	19	
		sesa Cases.	14.	2000	147	2	• 4	~	9	1	50	ന	1	1	00	7	ı	က	က	9	17	10	I °	- CO	73 C	1 C.	1	1		က	Ξ	00	10	m	1 -		
opnio		Violence.	13.	137	2	. 4	া	1	5	. 1	ಣ	6/3	1	1	4	_	1	6.1	1	4	00	<b>ं</b>	4	1 7		-	1	1	-	0.7	ıo	4	ന	ed .	1	41	NAME AND ADDRESS OF THE OWNER,
The DRATHS registered in the Week include		ьволттвіО.	12.	673	169	193	5 1-	• o	15	22	7.1	00	23	7	46	20	9	20	9	7	48	20	19	91	1.0	0	18	9	22	II	27	23	12.	61	9 5	13	١
n the		Fever,	11.	8.1	24	621	ı	1	6	1	1	_	ı	1	_	c.3	t	2	1	67	4	c/3	1 !	-	1 0	a 1	.1	1	-	6.1	pool	=	ಣ	1 =	٠,	-	ı
stered	s from	Whooping- cough,	10.	48	19	1	2.1	1	_	г	ł	ı	1	1	9	62	1	1	1	1	-	1.	. n	٠,	٠ ا	1	i	1	-	ı	4	ı	-	1	1 0	က	۱
IS regi	Deaths from	Diphtheria.	9.	00	49	-	1	22	ଦୀ	-	-	2.1	1	ı	27		∞	_	1	1	10	ı	C.1	1	1 1	-		1	1	1	က	1	~	1	1	1	ı
DEATE		Scarlet Fever.	∞°	31	∞	) 1	1	!	1	1	1	. !	1		62	1	1	ന	1	1	<u></u>	1	<del></del>	1 7	- c	3 1	4	1	_	1	_	ග	1		1	1	ı
Тъе		Measles.	7.	4H-	17	- 67	-	1	1	1	1	1	1	1	c1	1	1	П	1	1	_	1	ବ୍ୟ ଓ	23 1		o 1	ı	1	1	63	-	4	Н	1	1	1	l
		xoq-Ilam8	6.	က	1	1	1	1	i	1	(	1	1	1	1	1	1	1	t	1	1	1	1	1	1	1	1	1	1	1	1	I	က	1	1	1	
	ths of	Persons aged 60 Years and upwards,	5.	832	340	20	10	00	15	10	23	10	C3	2	35	-3	12	24	9	12	99	6	4:	CT	9 9	3 15	9 00	<u></u>	2	1.6	27	24	13	21	2	18	
		Infants under l Year of .93A	4.	1599	503	47	9	1	19	12	28	23	∞	11	102	13	32	41	14	19	115	22	110	4.7	7 0	0.6	27	Į,	1111	22	69	69	44	31	24	20	The state of the s
ed during	the Week ending 23rd Sept. 1899.	BIRTHS, DEATHS,	ສນ	4506	1649	121	37	38	72	34	95	09	17	25	222	37	89	104	28	20	339	69	275	114	4.6	3 15	53	22	29	78	175	180	86	80	54.	121	A STATE OF THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER, THE OWNER,
Register	23rd Se	Вівтня.	24	6381	9531	178	64	54	81	20	184	96	44	00	314	19	56	133	29	63	465	16	329	144	90	67	53	47	47	100	250	210	132	92	29	122	-
	POPULATION estimated	to the middle of the Year 1899.*	1.	11,404,408	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	218,244	112 001	196,611	117,622	103,464	127.721	236,241	423,889	361,169	234,270	145,613	106,552	228,625	
			Cols.	1	1	ı	1	t	1	1	1	1	1	TON	1	1	1	1	1	1	1	1	1	1	2	1		- Q	ě	1		1		1	1	å	
	CITIES	BOROUGHS,	9	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL -	BOLTON	MANCHESTER	SALFORD -		BLACKETTEN-	PRESTON -	HUDDERSFIELD	HALIFAX -	BRADFORD -	LEEDS	SHEFFIELD -	HULL -	SUNDERLAND	GATESHEAD -	NEWCASTLE -	

TABLE 2. LONDON.—Births and Deaths Registered in the THIRTY-EIGHTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2344	2355	2559	2433	2554	2358	2541	2537	2492	2574	2603.7	2531
Males Females -	1213 1131	1161 1194	1334 1225	1245 1188	1299 1255	1224 1134	1278 1263	1308 1229	1267 1225	1323 1251	1331·2 1272·5	1302 1229
TOTAL Deaths -	1267	1375	1322	1238	1561	1211	1346	1238	1341	1863	1447 9	1649
Males Females	649 618	704 671	663 659	634 604	802 759	647 564	703 643	621 617	701 640	1001 862	749°6 698°3	859 790

The numbers in this column are the average weekly numbers in the thirty-eighth week of the ten years 1889-98, raised by 5·213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

			, , ,	0110 1	1000 1		EEN V	1 131311					
	July 1.	July 8.	July 15.	July 22.	July 29.	Aug.	Aug.	Aug.	Aug. 26.	Sept.	Sept.	Sept 16.	Sept.
TOTAL Births	2441	2484	2351	2444	2494	2577	2214	2671	2646	2532	2442	2675	2531
TOTAL Deaths	1297	1310	1387	1589	1884	2200	2068	2208	2100	1931	1934	1643	1649
$\begin{array}{c} \text{Under 1 year } - \\ 1-5 \text{ years } - \\ 5-20 \\ \text{Death} \\ \end{array} \\ \begin{array}{c} 20-40 \\ 0-60 \\ 0-90 \\ \end{array} \\ \begin{array}{c} - \\ 0 \\ 80 \end{array} \\ \text{years and upwards} \end{array}$	264 156 78 212 287 240 60	299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	503 187 106 204 309 269 71
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery - Cholera	51 11 25 26 26 11 20	50 12 31 27 - 7 - 28	1 48 4 37 26 6 75	46 8 42 20 - 8 185	56 5 35 19 - 13 - 350 12	- 60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 463 21	48 8 33 28 -11 -481 16	52 7 29 18 16 426 21	34 5 29 31 - 18 - 368 22	33 5 24 25 1 11 322	17 2 22 16 18 233	17 8 42 19 24 162 6
All the above Diseases -	144	155	199	316	490	648	600	625	569	507	429	317	278
Dis. of Respiratory System – Phthisis – – – – – Dis. of Circulatory System – Violence – – – – – Inquest Cases – – – Deaths in Public Institutions –	159 153 124 73 143 456	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 481
TEMPERATURE OF THE AIR.  Mean  Mean of Highest readings -  Mean of Lowest readings -	62·3 73·1 53·8	62·3 71·9 54·3	66·2 77·7 56·9	70·2 83·2 57·9	64.8 75.4 55.3	67·5 78·8 57·3	63.8 74.6 55.7	66.5 77.4 57.2	66.4 79.8 53.6	63.5 74.1 55.2	65.6 76.5 55.2	57·5 67·0 48·8	54.6 63.5 48.2
Humidity of the Air	68	71	67	58	67	69	73	64	63	71	70	73	68
Rain-fall(in inches)	0.74	0.13	0.09	0.06	0.97	0.09	0.03	0.00	0.00	-0.29	0.54	0.27	0.36
Registered Sunshine (in hours)	43.9	31.4	49.4	71.0	63.6	79.7	54.9	49.4	74.8	53.4	47.5	23.5	38.3
CASES OF INFECT.		ICKNI	ESS IN	HOSP	ITALS*		HE EN	D OF	EACH	WEEL	K.		
Smail-pox	2 2430 1280 105	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham: E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston: A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of Ages from different CAUSES in the ABLE 4. THIRTY-EIGHTH Week of the Voor 1900

			Τ	HI	RTY	7-E	IGI	ITI	ı W	eek of the Year 1899.									
	r the years	Se	In	the	Wee	ek en Septé	din	g er 18	99.		the	Sa	turd	n th lay, 2	e We	eek e Septe	ndin	g r 189	9.
	the 10		De	aths th	of I	erso ges	nso	Î			he 10		D	eath	s of the	Pers Ages	onso	f	
AUSES OF DEATH	Averages k of the 1889-98*,	a,	υ	nder 20,	r	ler 40.	under 60.	under 80.	and	CAUSES OF DEATH	Averages of the 1889-98*.	9.		Und.	er	er 40.	under 60,	er 80.	and
	Corrected 38th Week	ALL AGES	0-1	1-5.	5-20,	20 and under 40	40 and und	60 and und	80 years a		Corrected 38th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and under	40 and und	60 and under 80,	86 years
AUSES	1447:9	1649	503	187	106	204	308	26	71	Diseases of Circulatory } System }	117.1	134	1	-	13	19	43	50	8
II- {Vaccinated † - Unvaccinated   No Statement   es -   es -	0.2 0.1 0.1 14.0 18.6 0.2	- 17 8 -	- 42	11 4	21	1		111111	11,111,11	Croup	3.7 83.7 65.9 4.1 16.2	56 69 1 12	13 14 - 3	15	1	17 2 2	- 6 12 - 1	26 6 -	
nza - ping-cough - heria - e Continued and l iefined Fever - ra and Chol. Diarr. hosa, Dysentery - ttent Fever - ophobia	2.7 30.9 47.5 0.5 16.9 2.4 108.3 0.2	4 19 42 - 24 6 162 - -	7 - 5 110	11 24 - 1 27 -	18 - 5 - 2	16 - 2 -	3 - 3	16	2	Dentition Quinsy, Sore Throat - Enteritis } Gastro-enteritis - } Peritonitis Diseases of Liver - Other Diseases of Digestive System	6.6 1.7 43.7 { 6.5 27.3 31.4	2 17 107 4 31 31	1 -8 79 -4 7	1 4 17 - -	143-5	- 1 1 2 3 1	- 4 1 14 7	- 3 1 7	- - 3 1
lers	0·3 10·0 4·1	- 14 5	- 8 1	- 1 1	1 1 1 1	2	- 1 2	-21		Diseases of Lymphatic ) System & of Ductless Glands	1.2	3		-	-	1	2	-	-
nia and Septicæmia beral Fever Zymotic Diseases	2.0 4.3 0.9	5 1 3 1	1.1.3		1	3	1	-		Diseases of Urinary }	38.9	54	-		-	8	19	24	3
sh	1:3 0:2	1 2	1		-	-	- 2	-	-	Diseases of Generative } System Accidents of Childbirth-	5°7 4°5	4	-		- -	2 4	2	-	-
ation, Want of)	1:0						_	-		Diseases of Locomotive }	4.5	2	-	_	1	1		_	
ast-milk } olism	8:2	15				7	8	-	-	Diseases of Integumen- tary System-	6.8	5	1	_	-	_	1	1	2
matic Fever, umatism of Heart } matism	9·4 2·9 2·6 4·5 70·2 29·3 23·4 147·5 17·5 11·6	7 1 3 8 106 34 25 139 22 13	- - 3 - 25 6 1 5 2	1 - 5 1 6 13 2 8 1	1 2 4 14 2	1 - - 8 - 2 57 4 5	2 1 2 65 1 56 2 1	- 1 27 - 9 1 2	1 - 4	VIOLENT DEATHS.;  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks. (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Explosions -	49.0	2 7 - 5 - 8	11 1 11	- - - 4	13 1 1 1	2 1 - 2 - 1	- 2 - 2 -	- - 1 - 2	
ature Birth ctasis	50·3 4·3 7·9 45·9	57 3 6 56	57 3 6	-		1 1 1 1	- - 1	- - 24	- 31	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		5 11 4 24	- 11 - 7	-	1 4	4 - 2 4	1 3	3	- 2
lexy	36·6 6·9 34·6 74·1	43 7 36 72	32	- 4 8	- 1 6	3 -	-	23 2 - 22	3 - 2	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1·1 6·5	- 5 -		111		<u></u>	2	- 2	
ses of Organs of cial Sense -	3.2	2	-	1	1	-	-	-	-	OTHER CAUSES	63.4	76	68	5	1	-	1	1	-
he numbers in this co	larman a m		-		-					+1 + 1000 00								-	-

the numbers in this column are the average weekly deaths for the ten years 1889-93, raised by 5°213 per cent. for increase pulation, pulation, those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered call men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." he evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ent, murder, manslaughter or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in experiments of the Work of the Control of

							The l	DEAT	HS re	gister	ed di	iring	the W	eeki	nclud	.0	
	Enume-			Dea	thsof					Death	s fro	m					tions,
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Tota BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sruall-pox.	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea.	Violence,	Inquest Cases.	Desthein Publicanstitutions
LONDON -	4,411,710	2,531	1,649	503	340	-	17	8	42	19		24	-	162	71	147	481
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	368 544 123 485 1,011	273 331 99 282 636 28	76 103 31 80 213	58 70 15 54 132	1 11111	1 2 2 1 11	1 3 - 4	1 8 2 3 27 1	2 3 2 6 6	-	5 6 - 2 11 -	-	20 33 8 25 73	12 7 12 14 25	20 25 14 46 40 2	100 88 36 91 138 28
WEST DISTRICTS. St. Mary Paddington $H$ G. & W. St. John Paddington $H$ - G.	90,996 <b>33,</b> 510	54 6	25 9	5 2	4	-	1 1	1 1		1 -		- 2		3 -	1 2	1 3	7 5
Kensington Town $Ww - W$ . Brompton $HH$ W. & C.	122,164 48,301	59 15	52 11	11 4	15 2	-	1	-		- -,	_		-	ī	3 -	3	24 4
North Hammersmith $\uparrow H$ South Hammersmith $\uparrow H$ W. & G Fulham $Ww$ W. & C.	44,638 59,561 113,781	27 28 86	22 20 48	9 4 24	4 5 2	-	1 1 1	- 1	- 1	<u>I</u>	-	1 1		2 3 7	$\frac{1}{2}$	1 5	3 14
Chelsea Kensal Town - C. Ohelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	10 20 14	9 15 7	4 2 3	1 3 4	-		1 1 1	- 1	-	-		1111	1 -	1 - -	1 -	12
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	1 17 13 5	14 18 12 5	1 3 1 -	8 3 1				1 1 1	1111		1 -		2	1 1 -	1 2 1 -	12 13 1 2
$ \left. \begin{array}{l} \text{St. James Westminster} \\ WH \\ \text{St. Anne Soho}  HHHHH \\ \end{array} \right \text{N.} \& \text{G.} $	23,050 12,048	6 7	5 1	3 -	2	1 1	, -, , -		-, -	1,71	-	-	) <del>-</del> 		-	-	2
NORTH DISTRICTS.  All Souls Marylebone B W. Rectory Marylebone W. G. & W. St. Mary Marylebone B. G. & W. Christchurch Marylebone B W. St. John Marylebone B W.	36,595 19,798 19,637 32,547 32,611	12 6 38 13 15	10 2 7 9 5	- 2 5 1	2 1 3 1 1	11011	1 1 1 1 1		-	1	1 1 1 1 1	1 / -		- 1 1		- - 1 2	9 - 1
$\left\{ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} \right\}$ - N. & W.	75,449	20	17	3	4	-	-	2	2	-	-	-	-	-		1	8
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	12 7 12 15 14 53	13 9 11 7 11 25	5 1 2 1 7 4	3 2 1 -3 6				1 1 1 1 11	1	1 1 1 1 1 1	1 1	7 1 1 1 1	1 1 2 - 1 5	1 - 1	2 1 2 - 1 1	5 5 3 6 3
$ \left\{ \begin{array}{l} \text{Upper Holloway} \\ WWWWWHH} \\ \text{Islington South-west}  H \\ \text{Islington South-east} \\ \text{Highbury}  HH \\ \end{array} \right \\ \text{N.} $	98,273 107,365 66,549 64,577	63 58 34 26	50 33 17 15	13 16 5 7	11 7 3 3	- 1	2 -	-	1 -	1		1	1,111	8 1 -	- 1	1 3 1	21
Stoke Newington H - N. North Hackney - E.& N. Central Hackney ww - E.& N. South-west Hackney HHH E.& N. South-east Hackney WwH E.& N.	33,485	$   \left\{     \begin{array}{c}       11 \\       22 \\       33 \\       42 \\       38   \end{array}   \right. $	6 13 18 20 33	14899	3 1 2 3 10	1111	7-1-1-	ī	- - 4 - 1			- 2		2322	1 - 1 2	1 2 6	- 4 8 14

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated thein namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District that that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G. sign Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth N. River; E. East London; and K. the Kent Company.

See note fon first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, JARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each struct during the Week ending Saturday, 23rd September, 1899—continued.

							T	he DI	EATH	8 regi	stere	l duri	ngthe	Wee	kina	lude		
	Enume-			Dea	thso			٠,		Dea	hs fr	om				-	tions	of
GISTRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.	TotalDEATHS	Infantsunder I Year of Age,	Personsaged 60 Years	Small-pox.	Measles.	Scarlet Fever,	Diphtheria,	Whooping-cough,	Typhus,	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea,	Violence	InquestCases	Deaths in Public Institutions	Uncertified Canses
CENTRAL DISTRICTS.											-							
orge Bloomsbury N. les South WH N. les North H N.	16,110 12,976 9,151	6 11 2	1 7 1	2 1	1 2 -	- - -	1	-				-		- 1 -		-	5 -	-
rtin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 †1,037	3 3 -	4 3 -	=	1 -	- - -	- - -	-	-	-		-		-	1 1 1		3 3 -	-
orn wHHHHHHH - N. mes Clerkenwell - N. ell-street - N. ell-street - N. eross-street	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	15 11 24 9 31 3 1	18 2 11 5 13 7 - 2	10 1 4 4 5 -	2 - 2 2 - 1	111111		4117111	1	111			1111111	2 - 2 2	3 1 2 - 1	1 3 1 2 - 1	10 - 1 - 2	
tolph* HH N.&E. legate N. pulchre WH N. lows Barking N. fLondon Asylum, Stone	9,762 3,299 9,591 9,059 †388	1 1 1 -	3 3 14 5 -	1 1 -	2 - 1 1	-	1111		1 -		1111		1111	-1-	- 2 3 -	1 2 3 -	12	
EAST DISTRICTS.																		
ditch South $Hl$ - E. & N. In New Town $w$ N. In Old Town N. In orston $WH$ N. & E.	17,975 29,575 27,645 47,163	9 16 20 34	1 13 13 13	- 4 7 2	513	-	1.1.1	1 1 1 1	1	1 1 1 1				2 1 1	1 -	- 3 1 1	1 7 - 4	
al Green North H - E. al Green South E. al Green East WH1 - E.	49,301 34,194 45,667	36 33 23	15 10 26	6 1 6	3 2 10		111			1	,	1	-	1 3	- 1 1	2 2 2	1 14	
fields E.&N. Ind New Town; WH - E. nan's Fields; E.	26,681 } 51,995 {	18 15 18	5 42 7	1 6 4	1 4 -					- 2	-	1	-	1	1 5 -	11111	36	
orge's North E. nn,St.George East W E.	39,576 7,930	40 7	5 10	2	2	-	-	-	-	1 1	-	-	-	 -	-	2 1	- 8	-
rell H E. & N. ff W E. touse E.	10,434 14,954 32,917	6 12 18	8 10 13	6 2 10	1	-	- - 1	1 1 1	1 - 1	-		-	-	3 1 4	2 2	4 3	5 -	
nd Old Town West H E. ad Old Town East - E.	111,060	{ 26 29	12 20	4 5	24	-		-	1	1	-	-	-	1	1	2 4	3	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	29 52 44	11 28 20	2156	1 9 6	-	-	-	-	-	-	-	-	2 2 1	-	1 4 1	11	

\* The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.
† Population in 1891, not included in the total population of the Central Districts or of London.
hitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town SubDistrict and Goodman's Fields Sub-District

Table 5. LONDON.—Population; Births; Deaths from All Causes, and from Small-Pox, Meas Scarlet Fever. Diphtheria, Whooping-cough, Fever, Diarrhæa, Violence, &c., registered in Sur-District during the Week ending Saturday, 23rd September, 1899—continued.

-	SUB-DISTRICT during the Wee	ek ending	Satu	ruay,	2010	Бер	_		_				_	ho W	okin	olu d		_
I					Desi	hsof		The	DEAT	HS reg	eaths			ne w	ekin	ciua	,	suc
	REGISTRATION SUB-DISTRICTS	Enume- rated Popu- lation, 1896,	Total BIRTHS.	Total DEATES.	Infantsunder 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhos.	Violence.	InquestCases.	Desthe in Public Institutions
The state of the s	SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saylour Southwark S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Frinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	9 10 17 20 18 19 37 26	3 6 15 7 5 13 25 12	2 3 9 1 1 8 14 8	2131	11111111	1 - 1	11111111	1		1111111			- 1 4 2 1 3 4 -	- 2 - 1	1,133111	21
	St. Olave $WH S$ . Bermondsey $W S$ . Rotherhithe $Ww S$ . & K.	11,731 85,475 40,379	10 63 22	17 25 25 25	2 9 9	3 3 6		1	1 17	- 2	- - -		1 -	-	5 2	2 2 1	2 2 2	11 1
Secretary Constitution of	Waterloo-road ### - L. & S. Lambeth Church 1st # - L. & S. Lambeth Church 2nd ## L. & S. Kennington 1st ## - S. & L. Kennington 2nd - S. & L. Brixton ## - L. & S. Norwood ### - L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	24 10 30 40 17 46 8	15 23 33 17 11 21 7	5 4 12 4 3 4 2	2 3 5 5 2 4	1111111	1	1	- - 1 2	2 - 1	111111	1 - 1		2 1 6 1 - 2 1	2 1	- 3 3 1 - 1	2 14 17 1 - 4
Special Specia	East Battersea S. West Battersea $WwH$ S. Clapham $H$ S. Wandsworth $WHHL$ - S. Putney S. Streatham $WwwwwL$ - L.	71,730 93,885 46,953 58,101 20,566 61,644	52 70 23 25 16 31	13 44 14 16 4 26	9 13 6 6 1 11	11133		2	- - 1	1 4	1 -		- - 1	111,111	5 1 1 - 4	321	521	12 1 1 - 7
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	3 50 36 42	45 20 19	995	19 6 5	1 1 1 1	-		1 2 1	401014		- - 1	1111	1852	1111	2 1	19
	Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012- 37,767	23 24 21 13 27	10 24 7 6 17	48235	3 2 4 3 4	11111	1 -	2 -	5	11111	11111	2 -		1 3	1 1 1 1	1 1	100
The second of the second	Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 12 27 16	5 6 17 12	1 6	2 2 6 4		17.1-		1 2 -	1-4-4-4-		1	-	- 2 -	- 2 -	2 -	9
Bernand American	Charlton $wHH$ K. Woolwich Dockyard K. Woolwich Arsenal $HHHH$ - K. Plumstead West $H$ K. Plumstead East $WH$ K.	15,928 19,355 21,959 16,714 42,538	20 14 5 29	12 7 9 4 19		5 1 1 2 4				3 - 1	+ 1-1-4-4		3		1 -	1 1	1 1	1 8
The property of the party of th	Banstead Asylum Gaterham Asylum Gaterham Asylum	general general general	1111111111						-	1	++++++			11111111111	3	- 1	1	311 -2 44 6 3 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

BLE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 23rd September, 1899.

								Th	e DE	ATHS	regis	tered i	in the	Weel	k incl	ude		
egis- tion strict			Enume-	100	σå	Dea	thsoi				Deat	hs fro	m					
nd ub- trict um- ers,	REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	BIRTHS.	DEATHS	Infants under 1	Persons aged 60 Years & upwds.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death
LON	DON-OUTER RING -	368,749	1,422,063	1089	592	229	106	-	6	2	17	3	7	98	21	42	66	4
$\frac{1}{2}$	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	11 5	7 8	3 2	-	-	-	-		-				1		_
7:1	Godstone, part of* W -	2,754	1,598	2	1	1	-	-	-	_	_	-	_		_	_	1	1
:12	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	77 21	44	13	10	-	1	-	-	2	-	7	2	4 3	4	
:12345	Wimbledon $HHH$ Kingston $WH$ Surbiton $H$ Esher, $part of^*HH$ Hampton $HL$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	22 25 5 6 18	10 3 4 5	2 5 1 1 2	1 3 1 - 2				- - - 1	1 1 1 1	1111	1 3 1	1 1 1 1	1 1 1 -	3	1 1 1 1 1
:1	Richmond WH Mortlake H	2,160 2,823	25,389 16,159	10 14	8 3	1 ~	3	-	-	-	-	-	-	-	1	1	3	-
:1 2 3	Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	10 7 15	8 10 8	3 4 5	1 3 2	-			- 1	1	-	2 1 2	-	1	3 - 3	
:1	Bexley HHH Dartford WH, part of -	12,540	<b>30,</b> 590	30	15	7	1	-	-	-	1 1	-	-	4	-	-	- 1	-
:1	Sunbury w Staines WH	11,054 13,277	13,671 13,221	10	3 4	-	1	-	-	-	-	-	-	ĩ	-	-	-	-
4	Hillingdon WHH Uxbridge Hayes wH	6,035 12,757 7,952	12,237 7,253 11,051	8 3 4	5 1 4	1 1 2	1 - 1		-	-	1	-	-	1 - 2	-	-	1	1 1 1
3 4	Isleworth WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	16 7 18 18 30	11 6 9 8 5	4 2 4 2 1	2 1 1 3 1		1		1 - 1	-		2 2 2 1	1 1 - 1	1 1 1 1 1	2 1 -	
3 1	Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	8 4 76 10	4 37 9	1 15 3	2 7 1	-	-		1		1 1	-	3	- 2 1	- 1 2	1 1111
3   1	outh Mimms HH   Barnet WHH   Sinchley HHH	21,077 4,688	6,367 14,152 25,820	109	1 15	1 4	- 4	-	-	-	- 1	-	-	- 2	-	-	-	-
3 H		3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	39 75 36 18 -	18 40 18 9 5	6 17 6 2 2 1	6 3 3 1 1 2	-	1 1 -	1	1 1 1 2 -	-	-	1 3 4 2 1	1 3	3	1 3 -	1
ΙB	atfield, part of * W ushey H Vatford WH, part of * -	3,306 9,331	582 7,737	7	2 2	1	-	-	-	-	_	-	-	-	-	-		-
SP CF ELW CI	tratford H laistow WHHH anning Town H - orest Gate w - ast Ham wHH - byton WWWwH - althamstow HHHHHL - ligwell year of	4,706 3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	20 69 56 33 61 48 66 9	22 29 39 20 19 41	9 12 17 9 11 11 15	4	-   -	-	1		-   1		4 2 4 5 1 1 1 1		1 2 18		-
Ro Ili Ba	Omford, part of * WH -	6,556 8,493 3,814	4,324 10,913	4 12 14 -	1 5	1 2 9		-   -	-   -	1		-   -	1 5			-	-	
le pa	rts of sub-districts included v																	

of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring alloy in Godstone sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham istrict, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst classes the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in Lorentz (187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Parish of Northaw in Lorentz (187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Parish of Spring

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 23rd September, 1899.

									_	_	-					
í					Dimm			The DE	ATH	s regi	stered	in th	e We	ek ind	lude	
ł		Area	Population estimated	of Mor per 1000	TALITY	DEATHS	Deat	hs of				Deatl	as from	m.		
	GREATER	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.
ı	Cols.	1.	: 2,	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14.	15
ı	GREATER LONDON	443,421	6,528,434	17.9	3.2	2241	732	446	-	23	10	59	22	31	260	92
ı	INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	18·9 15·6	3·1 3·5	1649 592	503 229	340 106	-	17 6	8 2	42 17	19	24 7	162 98	71 21

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692 845 square miles, which is equivalent the area of a circle having a radius of 14 851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

		and	in certain	FOREIGN	CITIES.					1
	-		pag. 1			DEA	THS FROM	PRIN	CIPAL ES.	ZY
	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles. Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
EDINBURGH - GLASGOW - DUBLIN - CALCUTTA - BOMBAY - MADRAS - PARIS - BRUSSELS - AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW - BERLIN - HAMBURG - DRESDEN - BRESLAU - MUNICH - VIENNA - PRAGUE - BUDA-PESTH TRIESTE - ROME - TURIN (10 days) VENICE - CAIRO - ALEXANDRIA -	298,927 733,903 349,594 466,480 821,764 452,518 2,511,629 551,011 517,595 315,305 199,285 345,000 291,580 221,255 1,132,677 988,610 1,818,517 675,351 394,300 406,012 445,000 1,623,134 384,622 686,722 166,599 505,850 344,203 171,023 570,062 319,766	" 1 " 1 " 1 " 1 "	498 211 259 3 398 3 1100 3 - 278 209 131	125 271 200 224 673 304 761 - 131 108 81 135 92 68 492 492 - 243 156 211 204 478 165 228 90 122 - 65	21.8 19.3 29.8 25.0 48.5 34.9 15.7 - 13.2 17.7 21.1 20.4 16.4 16.0 22.6 25.9 - 18.7 20.5 27.1 23.8 15.3 22.3 17.8 28.1 12.6 - 19.8	6	2	1 1 1 - 2 ? ? 4 4 * 4 * 2 1 4 * 2 4 * 3 2 2 * 2 * 4 * - 2 * 3 * 2 * 2 * 4 * 2 * 3 * 2 * 2 * 4 * 4 * 2 * 3 * 2 * 2 * 4 * 4 * 2 * 2 * 2 * 4 * 2 * 2	2 4 2 1	22 5 5 6 811 1688 56 923 7 11 11 11 11 11 11 11 11 11 11 11 11 1
NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053	Aug.	26 1651	1225	18.0		8 7 - 1	20 12	26	]

\* Including deaths from croup. † Including 27 deaths from plague in Calcutta and 95 in Bombay.

								M	ete	orol	ogico	ıl —	Obser	rva	tions.							49
		Ozone.			8.0	0.0	0.0	0.0	0.0	0.0	0.1	26	9	ns of	bulb tions rears the	or is	bles. tions nent	and	eter.	ent,	lst; the	
Rain	in a	whose receiving	surfaceis 5 inches above the Ground.	in.	0.05	0.15	0.00	0.00	0.17	0.05	Sum 0.36	25	0+40	The mea	correct wenty y	mometal minir	rical Tabbserva	higher,	ectrom	Instrum	of the won the 2 A.M. on	
			Depar- ture from Average of	Miles.	+205	+210	+276	- 24	+324	+134	Sum +1140	24	owol woo	.P.M. T	and thation of	ulb ther um and air (colu	gromet a of the rizonta	cates"	of the the	nsbine]	inning c	
3.0	;	Robinson's.	Horizontal Movement of the Air on each Day.		478	480	544	241	289	395	Sum 3016	23	idnight.	sea leve	nometer, e applica de durin years e	dry bu maxim	sher's Hy iscussion at of ho	at + indi	f-registe	cokes Su	the beg n. by 9E o 29'87 in.	
Tomeren	1	9	Mean of 24 hourly obs.	lbs.	6.0	8.0	1.2	0.1	1.4	0.2	:	22	of to m	luce to	thern by th rds me	of the of the perature	y Glai om ad and th	ind th	heind n's se ative	bell-S	29.77 ased to	ı.ă
III WILEI		Pressure on the Square Foot.	Least, h	lbs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	udnig]	to rec	bulb values reco	ading ngs f temi	eters b ived fr g 1890, crecor	in m	edfort homso I. neg	Camp ne on e	ed to incre	ю жее.
מפפת דוס		Pressi Squa	Great-	1bs.	10.0	7.1	12.6	1.3	14.2	7.1	:	08	rom m	adings	e dry daily raphi uring	an readirelate	rmom latder ending	borne	orrect rom T	m the	ed iro nereas 22nd	d of th
non se nur	Osler's.	irection.	P,M,	WSW. W	& WNW. WNW. W.	& WSW.	W., WNW.	SW. SSW.	W., WNW.	WSW.	W.	19	ivil day, or f	ied to the retaken at 9h.	arometer, th i into mean of the photog	corrected me nean of the mean daily v	wet bulb the of the air isth the 50 years of the anemo	24 it will be e.	in 17 are noted.  id.  r is derived for in the position of the	derived fro	the 19th: i the A.M. on the	in. by the end
		General Direction.	A.M.	SW	WSW.	WSW. & W.	WSW, W.	WSW. & W.	SSW. &	WSW. &	WSW	18	The results apply to the civil day, or from midnight to midnight.	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 9h. A.M.; noon; 3h. P.M., and 9h. P.M. The means of	the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of correction deduced from a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the	thermometers. With the corrected mean reading of the dry bulb thermometer is combined the orrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean	daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. The aversage temperature of the air is that derived from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the an emonetric records for the 1875 ways and in 1875.	In reading columns 9 and 24 it will be borne in mind that + indicates " higher," and "lower," than the average.	The values given in column 17 are not corrected for the indexerror of the thermometer, which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The symbols employed are,—P. positive: N. negative: w. weak: m. modarete.	s. frtong; and v. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	The resulting it the paremeter decreased from 29/23 in, at the beginning of the week to 29/38 in, by 11h, P.M. on the 19th; increased to 29/77 in, by 9h, A.M. on the 21st; decreased to 29/77 in, by 8h, A.M. on the 22nd; increased to 29/37 in, by 8h, A.M. on the	eased to 29.72
		Of the Earth	below the Surface.	62.81	62.41	62.10	61.71	61.32	60.71	60.34	61.63	17	sults a	vation b	readir neter, lfrom 1873 fo	neters, ad the neters,	lues of rerage t Green ir from	ding co	aluesgi annot ecord cord c	; and imbers e aggre	eading in, by ed to 29	id decr
		tion	Lowest on the Grass.	0 44.7	46.6	49.0	41.7	35.9	40.3	36.2	42.1	16	The re	no corre Obser	the eye thermor deduced ending	thermor combine thermor mean da	daily va Theav made at of the ai	In rea	The variable of The results of The results and The syn	s. strong The nu show th	to 29.38 decrease	23rd; an
	0.0.	1	Highest in Sun's Rays,	0.810	9.101	2.96	108.3	124.1	2.801	111.0	108.3	15				night.				partially showery		
	Degree of Hu-	(Satu-		84	65	72	19	89	28	69	89	14	o o		showery in con. Lunar	at n	prev	night,	mori f cloud sk wir	d part		
		_	Least.	0.12	0.2	3.8	3.8	4.5	7.1	4.4	4.6	13	TARE	Ŋ.	and safterno	showery	wind	ıdy at	early unts o t. Bri	ine and	en en en en en en en en en en en en en e	
nce between Temperature	and Dew Point Temperature.	.  -	Great-	0 14.6	20.0	15.7	19.5	22.3	55.6	17.7	18.9	12	GENERAL REMARKS	Fine, but generally cloudy.	generally; cloudy n. Gusty wind in a night.		Strong gusty wind prevalent	Very fine generally; cloudy at night,	Cloudy, with rain in early morning; ery fine, with small amounts of cloud till vening; cloudless at night. Brisk wind.	ing; f	M M M	
the Air	and		Mean daily value.	0.0	6.11	0.6	12.6	10.4	14.3	6.6	2.01	11	NERA	nerall	ully; custy wi	eloudy;	Strong	nerall	th ra h sma idless	n mori	uno au	
1	Of the Dew	point.	Mean daily value.	52.6	45.2	48.3	39.8	42.6	38.4	42.1	44.1	10	GE	but ge	Fine genera renoon. Gu alo at night.		fine. ning.	fine ge	ly, with the state of the state	fine ir		
		De-	parture from Average of 50 years.	+ 0.3	7 0.5	8.0 +	- 3.4	2.5 -	+ 27	+ 3.5	+ 0.5	6		Fine,	Fine generally; cloudy and showery in forenoon. Gusty wind in afternoon. Lunar halo at night.	Generally Gusty wind.	Very fine, till evening.	Very	Cloudy, with rain in eg very fine, with small amoun evening; cloudless at night.	Very fine in morning; fine cloudy till 7h. P.M.; cloudy		
and the state of the same of the same	dr.		Mean daily value,	9.29	57.1	57.3	52.7	53:0	52.7	52.0	54.6	∞	above rizon, hours.	12.5	12.5	12.4	12.3	12.5	12.2	12.1	Sum 86:2	59
-	Of the Air.		Daily Range.	0 18.0	11.9	10.6	13.2	21.9	13.1	18.0	15.4	-	Registered Sun above Sunshine Horizon, in hours, in hours.				2			60		
			Low- est	50.1	52.3	53.2	47.5	43.3	47.4	43.2	48.5	9	Registe Sunsh in hou	27	∞ -H	2.0	8.7	8.4	÷	4.6	Sum 38:3	28
-			High-	0.69	64.1	64.1		65.2	2.09	61.2	63.5	5	of (e.)	out -	A.M.; V. till gene-	ly till and is.	ly till with	ly -	N. till P. till after-	ly till and	ls.	
NEW TOTAL	Mean	cor-	and reduced to 32°. Fahrenheit).	in. 29.623	29.559	29.210	29.536	59.689	29.653	29.788	29-623	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. throughout	nd v. Nm. P.	generall w. P.	w. P. generally till n. A.M.; m. P. with geasional m. N.	m. P. generally	and w. ; w. ];	generali ; w. P	terward	27
	Phases	ofthe	Moon.	:	Perigee In Ear	Full	:	:	:			3	ELE (For ex symbol	w. P. t	w. P. till 10h. A.M.; w. P. and v. N. till noon; m. P. gene-	w. P. generally till 6h. P.M.; w. P. and w. N. afterwards.	w. P. generally till 9h. A.M.; m. P. with occasional m. N.	m. P.	w. P. and w. N. till 4h. A.M.; w. P. till 9h. A.M.; m. P. after-	w. P. generally till 7h. P.M.; w. P. and v. N. till 9h. P.M.	w. P. af	I
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PRINTED FOR HER MAJESTY'S STATIONERY OFFICE By DARLING & SON, LTD., 1-3, GREAT ST. THOMAS APOSTLE, EQ.

1899.

### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 39. 1899. Vol. LX.] WEEK ENDING SATURDAY, SEPT. 30. [Price 11d.

> General Register Office, Somerset House, October 2nd, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 19.1 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

-				-		
		Weeks	endin	g	Weeks ending	g
Towns.	Sept.	Sept. 16.	Sept. 23.	Sept. 30.	Towns. Sept. Sept. Sept. 16. 23.	Sept.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield-	18·1 28·9 24·3 33·8 23·8 31·3 20·8 43·8 25·5 18·4 26·5 21·5	25·8 16·9 28·1 16·8 13·5	25·8 22·5 21·2 22·2 17·2 16·1 14·9 26·3 16·8 15·1 13·7 26·4	18·1 23·0 14·7 22·5 12·6 17·8 14·9 17·5 16·6 14·3 16·2 20·1 14·4 17·1	Newcastle-on-Tyne       35.8       24.9       27.6         Norwich       -       -       23.0       10.6       17.0         Nottingham       -       27.4       21.8       22.7         Oldham       -       25.6       17.3       16.3         Plymouth       -       22.8       17.6       17.6         Portsmouth       -       21.3       18.6       19.7         Preston       -       28.8       31.0       23.5         Salford       -       31.1       32.5       27.2         Sheffield       -       30.3       21.9       26.0         Sunderland       -       31.9       29.4       28.6         Swansea       -       22.1       20.1       8.5	18·3 26·5 16·7 25·1 23·3 13·4 21·3 21·8 15·5 17·8 27·9 26·0 24·5 24·7 16·6
Hull Leeds		18.1	21.5	20.1	West Ham   22.2   19.3   21.0   Wolverhampton -   36.4   31.7   14.7	

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from whooping-cough, 1.0 in Bolton, 1.2 in Leicester, and 1.6 in Portsmouth; from "fever," 1.0 in Bolton and in Huddersfield, 1.1 in Sunderland, 1.4 in Portsmouth, in Salford, and in Sheffield, and 2.3 in Birkenhead; and from diarrhæa, 3.0 in Swansea, 3.1 in Liverpool and in Blackburn, 3.2 in Burnley, 3.3 in Nottingham, 3.6 in Salford, 3.7 in Birmingham, 3.9 in Gateshead, 4.0 in West Ham, and 5.3 in Preston. In none of the thirty-three towns did the death-rate from measles or from scarlet fever reach 1.0 per 1000. The 95 deaths from diphtheria included 44 in London, 13 in Sheffield, 8 in Leeds, 6 in Birmingham, and 3 in Leicester. One death from small-pox was registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In London† 2399 BIRTHS and 1456 DEATHS were registered. Allowing for increase of population, the births were 219, and the deaths 25, below

By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 22·2, 18·8, and 18·9 in the preceding three weeks, fell again last week to 16·7. During the four weeks ending on Saturday last the death-rate averaged 19·2 per 1000, being 2·4 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 1456 deaths included 15 from measles, 9 from scarlet fever, 44 from diphtheria, 23 from whooping-cough, 19 from enteric fever, 81 from diarrhea and dysentery, 2 from cholera, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 193 deaths were referred to these diseases, being 36 below the corrected average weekly

number.

The deaths from *measles*, which had been 33, 17, and 17 in the preceding three weeks, fell to 15 last week, the corrected average being 16. The deaths from scarlet fever, which had been 5, 2, and 8 in the preceding three weeks, were 9 last week, the corrected average being 22. The deaths from diphtheria, which had been 24, 22, and 42 in the preceding three weeks, further rose last week to 44, but were 11 below the corrected average; 6 cases belonged to Lambeth, 5 to Islington, 3 to Mile End Old Town, and 3 to St. George Southwark sanitary areas. The deaths from whooping-cough, which had been 25, 16, and 19 in the preceding three weeks, further rose last week to 23, but were 3 below the corrected average. The fatal cases of enteric fever, which had been 11, 18, and 24 in the preceding three weeks, fell again last week to 19, but were 3 above the corrected average; 2 cases belonged to Fulham, 2 to St. Pancras, and 2 to Islington sanitary areas. The deaths from diarrhæa, which had been 322, 233, and 162 in the preceding three weeks, further fell last week to 81, and were 8 below the corrected average. Of the 81 deaths from diarrhea. 74 were of children under 5 years of age; 63 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 170, 133, and 138 in the preceding three weeks, further rose last week to 156, but were 41 below the corrected average. The deaths attributed directly to influenza numbered 6, having been 3, 4, and 4 in the preceding three weeks.

Different forms of violence caused 57 deaths, concerning all but 3 of which inquests were held. Of these 57 deaths, 10 were cases of suicide, while the remaining 47 were attributed to accident or negligence. Four of these were referred to vehicles in the streets, 8 to burns and scalds, 4 to drowning, and 10 (of infants under one year of age), to suffocation

in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 2886 cases of scarlet fever, 1487 of diphtheria, and 252 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 409 cases, against 298, 336, and 364; of diphtheria, 240 cases, against 183, 205, and 219; and of enteric fever, 52 cases, against 29, 42, and 41.

GREATER LONDON.

In Greater London 3386 births and 1983 deaths were registered, corresponding to annual rates of 27.0 and 15.8 per 1000 of the estimated population. In the Outer Ring 5 deaths from measles, 1 from scarlet fever, 15 from diphtheria, 8 from whooping cough, 6 from "fever," and 62 from diarrhœa were registered. Six deaths from diphtheria and 28 from diarrhœa occurred in West Ham district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29·47 inches, and that of the Thermometer 52°·1; the latter being 2°·7 below the week's average in the 50 years 1841–90. The direction of the wind was south-westerly, the horizontal movement of the air being 30 per cent. above the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 32·5 hours; the measured rainfall amounted to 1·01 inch.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Searlet Fover, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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	CITIES	AND BOROUGHS.		Cols.	33 TOWNS.	London.	WEST HAM.	CROYDON.	BRIGHTON.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON,	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD,	BOLTON.	MANCHESTER,	SALFORD.	OLDHAM.	BLACKBIRN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	STINDERLAND	GATESHEAD.	NEWCASTLE.
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Registered during	pt. 1899.	DEATHS.		25.3	4186	1456	94	35	27 29	30	92	26	60	34	227	53	92	 00 67	3	322	702	262	601	69	88	63	34	22	Lo	T63	116	69	41	102
Registere	30th Se	BIRTHS,		ri	6490	2399	159	63	36 55	52	147	116	56	54	340	200	148	145 69	69	497	228	326	152	67	69	73	45	37	201	117	163	97	81	135
	Population estimated	to the middle of the Year 1899.*		1.	11,404,408	4,546,752	300,241	127,759	123,220	100,637	320,911	185,826	103,722	88,821	514,956	113,266	13,851	106 401	115 169	634.212	162,221	543,905	218,244	150,772	135,154	117,622	103,464	97.721	236,241	423,889	984.970	145,613	106,552	228,625
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	CITIES	AND BOROUGES,		0	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM Dedey	9	LIVERPOOL -	BOLTON	MANCHESTER	SALFORD -	OLDHAM -	BLACKBURN-	PRESTON -	HUDDERSFIELD	HALIFAX -	BRADFORD -	LEEDS -	HILL -	SUNDERLAND	GATESHEAD -	NEWCASTLE -

TABLE 2. LONDON .-Births and Deaths Registered in the THIRTY-NINTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	189
TOTAL Births	2504	2458	2367	2469	2633	2403	2618	2316	2503	2614	2618.2	239
Males Females -	1294 1210	1237 1221	1238 1129	1258 1211	1377 1256	1243 1160	1378 1240	1200 1116	1246 1257	1299 1315	1343·5 1274·7	122 117
TOTAL Deaths -	1361	1458	1272	1245	1656	1277	1532	1264	1313	1700	1481.2	145
Males Females	669 692	790 663	647 625	631 614	855 801	675 602	784 748	637 627	707 606	930 770	770°7 710°5	75 70

<sup>\*</sup>The numbers in this column are the average weekly numbers in the thirty-ninth week of the ten years 1889-98, raised by 5 213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

			DITI	140, 111	OHO I	10000 1	111111	121211	A TATALY					
		July 8.	July 15.	July 22.	July 29.	Aug.	Aug.	Aug. 19.	Aug. 26.	Sept.	Sept.	Sept 16.	Sept.	Sep
TOTAL Births		2484	2351	2444	2494	2577	2214	2671	2646	2532	2442	2675	2531	2399
TOTAL Deaths -		1310	1387	1589	1884	2200	2068	2208	2100	1931	1934	1643	1649	1450
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \end{array} \begin{cases} \begin{matrix} \textbf{Under 1 year} \\ 1-5 \ \text{years} \\ 5-20 \ \text{#} \\ 20-40 \ \text{#} \\ 40-60 \ \text{#} \\ 60-30 \ \text{#} \\ 80 \ \text{years and up} \end{matrix} \end{cases}$		299 184 86 157 255 270 59	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	378 158 80 174 330 280 58
Deaths from— Small pox Measles — Scarlet Fever Diphtheria — Whooping-cough— Typhus — Enteric Fever Simple Continued Fever Diarrhea and Dysente Cholera —		50 12 31 27 - 7 - 28	1 48 4 37 26 - 6 - 75 2	46 8 42 20 - 8 - 185	56 5 35 19 - 13 - 350 12	- 60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 463 21	48 8 33 28 - 11 - 481 16	52 7 29 18 - 16 - 426 21	34 5 29 31 - 18 368 22	33 5 24 25 1 11 322 8	17 2 222 16 - 18 - 233 9	17 8 42 19 24 162 6	13 44 28 19
All the above Diseases	_	155	199	316	490	648	600	625	569	507	429	317	278	193
Dis. of Respiratory Sys Phthisis	tem -	194 139 114 49 120 414	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 480
TEMPERATURE OF THE  Mean  Mean of Highest readin  Mean of Lowest readin	ngs -	62:3 71:9 54:3	66·2 77·7 56·9	70.2 83.2 57.9	64.8 75.4 55.3	67.5 78.8 57.3	63.8 74.6 55.7	66.5 77.4 57.2	66.4 79.8 53.6	63.5 74.1 55.2	65.6 76.5 55.2	57.5 67.0 48.8	51°6 63°5 48°2	52·1 61·0 45·5
Humidity of the Air -	-	71	67	58	67	69	73	64	63	71	70	73	68	76
Rain-fall (in inches)		0.13	0.09	0.08	0.97	0.09	0.02	0.00	0.00	0.29	0.54	0.27	0.36	1.01
Registered Sunshine (in h	iours)	31.4	49.4	71.0	63.6	79.7	54.9	49.4	74.8	53.4	47.5	23.5	38.3	32.5
CASES OF I	NFECT.	ious s	BICKNI	es9 in	Hose	ITALS	* AT T	HE E	ID OF	EACH	WEE	K.		
Small-pox	-	2530 1347 94	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	28 36 1487 253

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS,—(See TABLE 2.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 1.

			7.	Гні	RT	Y-N	IN	TH	We	eel	k of the Year 1899.								-	-
	r the years	Sa	In turds	the y, 30	Wee	k en lepte	ding	r 189	9.	The Park Name of Street, or other Persons or other Person		years	Sa	turd	n the	We oth S	ek er epte	ding	189	9.
,	ges for the 10 8*.		Des	ths th	of P	erson	ns o					fo.		De	aths	of I	erso ges	nso	£	
JAUSES OF DEATH	Averages bk of the 1889-98*.	aŭ.		nder 30.	,	under 40.	under 60.	under 80.	and 8.		CAUSES OF DEATH	Averages k of the 1889-98*,	20	1	Jnde 20.	r	under 40.	under 60.	under 80.	and
	Corrected 39th Week	ALL AGES.	. 1-0	1-5.	5-20.	20 and un	40 and un	un pus 09	80 years supwards.	Control of the Contro		Corrected 39th Week	ALL AGES.	0-1.	1-5,	5-20.	20 and un	40 and un	and	SC years
CAUSES	1481.2	1456	378	159	80	174	330	280	55	N. C. IN TWENTY AND POST OF MANY	Diseases of Circulatory } System }	119.1	124	1	-	9	14	49	44	7
all- Vaccinated† Unvaccinated No Statement sles	0.4 0.2 - 15.9 22.3 0.2	15 9	3	- - 12 6 -	3	1.1.1.1.1.1	111111	111111	111111	ACAC CONTRACTOR CONTRA	Croup	4.8 92.9 76.3 5.2 18.0	2 68 63 1 22	1 16 6 - 3	17	- 6 - 1	3 10 1 1	- 11 17 - 4	27 5 - 10	ľ
jenza	31 25.8 55.3 0.5 16.2 2.7 89.1 0.2 0.3	6 25 44 - 19 2 81 -	111 3 - 2 61	- 11 26 - - 13 -	15 6	10	4 - 3 - 1	2 1 4		AND THE PROPERTY OF THE STREET, WITH THE PROPERTY OF THE STREET, WITH THE	Dentition	6:4 2:0 35:2 { 6:3 26:0 30:8	1 4 22 71 5 32 38	- 16 56 1 2		- 1 2 - 2 1	1 1 3 4	- 1 1 4 1 15 8	- 2 4 1 9	2
rophobia	0.5 10.6 4.3 2.1	- 8 5 4	- - 4 1	- - 1		13	- 3 1	- 1 1	-		Diseases of Lymphatic System & of Ductless Glands	1.7	1	_	_	_	1	-	-	-
mia and Septicæmia rperal Fever – – er Zymotic Diseases	4·4 0·9	-	-	-	-	-	-	-	-	THE PERSON WAS DESIGNATED BY	Diseases of Urinary }	41.9	41	and a second	-	1	10	16	10	4
ush	1:4	-	-	-		-	-	-	-	Company or of the Company of the Com	Diseases of Generative System System System System System System System	5 <sup>2</sup> 4 <sup>9</sup>	7 2		-	i -	1	2 1	3	
vation, Want of	. 110									-	Diseases of Locomotive System }	5.8	1	-	-		-	1	-	-
reast-milk }	1.8 10.8	17	-		-	5	10	2	-	CONTRACTORION AND AND AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF T	Diseases of Integumen- tary System-	6.3	13	6	1	-	_	3	3	-
tumatic Fever, beumatism of Heart tumatism	8·3 1·9 2·3 3·8 76·2 34·3 22·3 142·9 21·0 12·9	9 1 3 -90 30 15 157 15 10	17425	1 - 6 7 5 3	4 8	2 - - 5 3 - 69 2 1	3 1 - 44 2 - 61 1 4	35 - 12 1 4	- 1 5		VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning)	55.4	24 1 1 - 8		3	2 - 1	1 - - 1	1 2 1 -	- - 1	
mature Birth lectasis genital Malforma- ons	52·0 3·6 7·4 39·1	38 2 3 45	38 2	-	-	-		- 24	21	Particular of Control	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		17	10	3	3	2	- - 4	1 1	2
oplexy llepsy	37:4 6:4 36:7 77:3	48 5 19 76	16	3		2 - 10	18 - 17	27 2 - 30	2 - 2	MANAGED IN	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	0.9 9.4	10	111			-2-	-7	_1	1 7 1
eases of Organs of pecial Sense - }	4.5	5	-	2	1	2	-	-	-		OTHER CAUSES	67.4	77	65	6	-	2	4	-	-
The numbers in this co	lumn ar	e the	ave	rag	e w	eek	lv d	leat	ths	for	r the ten years 1889-38, rais	sed by 5	213 p	er	ent	. fo	r in	cre	ase	,

The numbers in this column are the average weekly deaths for the ten years 1000-10, tended by population.

Only those cases of small-pox are returned as "vace:nated" or as "unvace:nated" which are so certified by registered dieal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the use of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whother a violent death be the result of cident, murder, manufactured or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, M SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered

	SUB-DISTRICT during the We	ek endin	g Satu	ırday,	30t	h Se	pten	nber	, 18	99.							
Ì					_			The l	DEAT	HS re	gister	red di	iring	the W	eeki	aclud	e
ı		Enume-			Dea	thsof	-				Death	ıs fro	m,				
COMPANY OF STREET, STR	REGISTRATION SUB-DISTRICTS.	rated Population, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea.	Violence,	Inquest Cases.
I	LONDON -	4,411,710	2,399	1,456	378	335		15	9	44	23		19	-	81	57	135
	WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	389 506 124 478 902	218 338 73 280 523 24	63 69 23 74 149	46 81 13 59 125	11111	2 1 1 9 -	2 2 1 4	3 15 2 5 19	3 9 1 7 3		25 - 39 -	1 1 1 1 1 1	12 16 5 17 31	9 16 6 7 19	17 33 10 33 42
	WEST DISTRICTS.  St. Mary Paddington G. & W. WHH St. John Paddington H G.	90,996 33,510	39 <b>1</b> 0	14	5 2	3 2		-	-			-	-		2 -	1	2 -
	Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	62 10	39 10	10	7 4	-	-	-	-	ĩ	-	-	-	ī	-	2
-	North Hammersmith $\dagger H$ South Hammersmith $\dagger H$ W. & G Fulham $Ww$ W. & C.	44,638 59,561 113,781	30 36 97	9 17 49	2 3 26	21808			- 2	1 2	1 1 1		1		1 8	2 3	1 2 3
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	21,450 42,057 33,139	8 13 16	6 11 7	2 2 -	2 3		1	-	1 1 1	1 1		-	- 1 -	1 1 1	- -	1 - 1
		23,827 56,140 31,492 22,097	6 28 <b>1</b> 5 5	12 11 11 8	3 3 1	$\begin{array}{c} 6 \\ 2 \\ 1 \\ 2 \end{array}$		1	1 1 1 1		1111	-	ī -	1111	1111	- 2 -	- 2 - 1
۱	$ \left. \begin{array}{l} \text{St. James Westminster} \\ WH \\ \text{St. Anne Soho}  HHHHH \\ \end{array} \right \text{N. \& G.} $	23,050 12,048	11 3	2 3	- 1	- 1	-	- 1	1 4	-	-	-	-	1 1	1 1	- 1	1
SECOND SE	NORTH DISTRICTS,  All Souls Marylebone H. H. H. H. H. H. H. H. H. H. H. H. H.	36,595 19,798 19,637 32,547 32,611	12 5 35 14 5	15 2 3 11 6	1 3 1	1 2 - 33		1 1 1	1 1 1 1 1	1 -	1		- - - 1		- , 2	1 - - 1	2 - 1 1
ı	$ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} $	75,449	28	23	5	2	-	-	Ŀ	4	-	-	-	-	_	1	3
-	Regent's Park Pancras $HH$ - W. Tottenham-court $\}$ - N.& W. $wHHHHHHH$ $\}$ - N.& W. Gray's inn Lane $HHHH$ - N. Somers Town $HH$ N. Camden Town $WH$ N. Kentish Town $WW$ N.	37,341 26,757 29,426 32,161 16,669 98,410	20 6 8 23 9 56	5 16 10 13 12 31	2 1 3 2 6	1 1 3 6 8	1 1 1111	1 1 1 1 1	1,1111	1 1 1 1 1 1	1 1 - 3	-	2	-	- - 1	2 - 1	4 1 - 3
	$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWWwHH} \\ \text{Islington South-west}  H & - \text{ N.} \\ \text{Islington South-}\\ \text{East}  - & \text{ N.} \\ \text{Highbury}  HH & - & - & \text{ N.} \\ \end{array} $	98,273 107,365 66,549 64,577	50 50 31 28	52 35 9 11	11 11 2 2	15 7 4 1	.1 1 1.	1 -	1 111	1 1 1	- 2 1		1 1		3 3 1	2 2 -	3 4 -
-	Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$   \left\{     \begin{array}{c}       13 \\       19 \\       27 \\       37 \\       30     \end{array}   \right. $	9 8 20 22 25	2 - 473	3 4 1 5 10		1 -	2 -	7 -					3 2	- 2 4 -	2 1 2 4 2

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other I than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupe free event. The Roman capitals signify the Water Companies which supply the different Sub-districts;—G.s diver; E. East London; and K. the Kent Company.

\* See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, a re-named North Hammersmith and South Hammersmith, respectively.

BLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL.POX, MEASLES, SJARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each SJB-DISTRICT during the Week ending Saturday, 30th September, 1899—continued.

SJB-DISTRICT during the Wee	onumg	Davu	uay,	УООЩ	рећ	tem	oer,	189	9	ont	rnue	ea.						
							Th	e DE	THS	regis	tered	durin	gthe	Wee	kinol	ude		
The state of the s	Enume-				ths of		,			Deatl	hs fro	m					tutions	s of
REGISTRATION SUB-DISTRICTS	Popu- lation. 1896.	Total BIRTHS.	Total DEATHS	Infantsunder I Year of Age,	Personsaged 60 Years and upwards.	Smail-pox.	Measles,	Scarlet Fever,	Diphtheria,	Whooping-cough,	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence	InquestCases	Desthein Public Institutions	Uncertified Causes Death.
CENTRAL DISTRICTS.  George Bloomsbury N. Giles South $WH$ N. Giles North $H$ N.	16,110 12,976 9,151	5 4 6	2 5 1	1 1	2 -		7 - 7			7-	) - -	,		1.171	1 191	2 -	2 -	111
Martin-in-the-Fields HHN.&C. rand WHH N. rand Union Workhouse, Edmonton	13,077 11,839 †1,037	5 8 -	7 1 4	3 - 1	- 1 2		- 1	-	1 -		-	  -  -	· _	-	1 -	1 -	5 - 4	111
olborn wHHHHHHH - N.  James Clerkenwell - N.  nwell Clerkenwell - N.  swell-street - N.  ty-road HHHHL - N.  hitecross-street - N.  nsbury - N.  nsbury - N.  Mitcham - N.  Mitcham - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	18 7 16 9 35 5	13 4 6 4 7 4	61323 - 1 -	3 1 1 1	1 4 1 1 1 1 1	1111111	1111111	1	1	111111	1.		1 1 1 - 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 - 1	11111111
Botolph* HH N.&E. ipplegate N. Sepulchre WH N. ihallows Barking N. ty of London Asylum, Stone	9,762 3,299 9,591 9,059 †388	522-	11 2 -	2.	1	1111	-	1111	11111	11111	1 1 2 1 1	11,11		FOLLOW	1 2 -	1 2 -	11 -	
EAST DISTRICTS.  coronic New Town $w$ - N.  coronic Town $w$ - N.  aggerston $WH$ - N. & E.	17,975 29,575 27,645 47,163	7 15 23 35	10 12 8 22	2 2 5 6	2 5 5	-1111		1	1	111	1.1.1.	1		1 1 2	- 1	1 1 2	3 4 - 12	
ethnal Green North $H$ - E. ethnal Green South - E. ethnal Green East $WHl$ - E.	49,301 34,194 45,667	35 27 32	12 10 23	3 3 -	4 1 8			-	ī	1	1,1,1	1.151.	1.1.1	1	2	3 3	2 13	111
pitalfields E. & N. ile End New Town; WH - E. coodman's Fields; E.	26,681 } 51,995 {	21 24 14	7 35 6	4 3	1 5 1		-		ī -	-	1,11	1	-	. <del>-</del>	1	1 2 2	31	1 - 1
t.George's North E. t.John, St. George East W E.	39,576 7,930	34 9	4 8	3	-		-	-	-	3	-		-	-	1 -	2	3	-
hadwell $\alpha$ E.&N. atcliff $W$ E. imehouse - E.	10,434 14,954 32,917	6 3 20	5 4 9	3. - 3	- 2 1	-		194	113	-		1 1 1		1	- 1	1 2	4	
ile End Old Town West H E. ile End Old Town East E. WWww	} 111,060	{ 40 21	· 6	3: 11	18		- '	-	2	ī		-	-	1 3	-	1 -	12	-
romley wwwH - E.	41,687 69,821 57,759	29 41 42	11 40 16	3- 4 9	1 12 2		1 -			1 1	1 -	ī -	-	1 2 3		1 9 1	1 21 1	

\* The Sub-Districts of St Botolph and Broad Street were united on 1st September 1899.
† Population in 1891, not included in the total population of the Central Districts or of London.
‡ Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town SubDistrict and Goodman's Fields Sub-District.

Table 5. LONDON. -- Population; Births; Deaths from all Causes, and from Small-Pox, Mi Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered;

				-			The	DEA:	FHST	egiste	red di	aring	the W	7eek i	inclu	le
ja	Enume- rated			Dea	thsof					Death	s from	n				
REGISTRATION SUB-DISTRICTS	Population,	TotalBIRTHS.	Total DEATHS.	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough,	Typhus.	Enteric (or Typhoid)	Simple Continued	Diarrhosa.	Violence.	InquestCases.
SOUTH DISTRICTS.																
Christchurch Southwark WHL.&S. St. Saylour Southwark - S. Kent-road - S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	3 6 13 9 12 19 48 21	2 3 6 10 6 7 19 5	1 2 6 1 2 8 7		1111111	1		1	1111111	1 1 1 1 1 1 1		111111	- - - - -		311
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	12 61 22	17 25 17	2 10 3	1 3 5	4-1-4	1 1 1		2 -		<u>-</u>	1	-	3 -	51 -	6 3 1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	27 5 25 27 23 32 14	9 10 27 13 16 28 4	2 4 6 4 4 7 2	2 - 8 4 5 8 1	111111	1	111111	1 - 1 - 3 -				in in it	1 2	- 1 - -	43-2-
East Battersea - S. West Battersea WwH - S. Clapham H - S. Wandsworth WHHL - S. Putney - S. Streatham WwwwwL - L.	71,730 93,385 46,953 58,101 20,566 61,644	41 60 17 29 12 31	11 26 11 10 4 22	8 11 4 2 1 6	343415		1	11111	- 1 - 3	11111			111411	1 1 1 1 1		1 1 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	4 45 42 31	1 41 22 14	- 5 6 2	1 15 6 2		1111	-					1 1 1 1	- 3 4 1	3 -	6 -
Deptford North $-$ K. Deptford Central $w$ K. Deptford South $-$ K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	33 30 11 6 20	15 16 4 4 26	65335	5 1 1 9		1	11111	2 -	1 -	1111	1		2-	ī - - 1	1 - 1
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	3 6 25 23	2 4 24 4	- 6 -	3 5 4	-	1	- 3	5	1111		1		- 2		
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	6 3 9 6 30	7 5 7 4 - <b>1</b> 5	3 2 3 1 4	1 1 2 2	11111		1	1	11111				1 2 1 2	- 1	- 1
Banstead Asylum  Horton Asylum, Epsom Caterham Asylum  Cane Hill Asylum  Hospital Ships and Camp, Dartford Darenth Asylum  London County Asylum, Dartford  Heath  Heath  Colney Hatch Asylum  N.E. Hospital Leavesdeen Asylum  Leavesdeen Asylum  Leavesdeen Asylum  Leavesdeen Asylum			3 -2 4 -1 1 1 5 3	11111111111	11 - 32 - 13	1111111111111			THE THEFT.				1,1111111111	111111111		

LE 6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, HOSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ending Saturday, 30th September, 1899.

н								THE	DEA	THST	egiste	or eur ti	4 644 6	11 602	111014	ue.		
ı			Enume-			Deat	hs of			]	Death	s fron	a					82
	REGISTRATION SUB-DISTRICTS,	Area in Acres.	rated Population, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age,	Persons aged 60 Years & upwds.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhosa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
Ņ	DON-OUTER RING -	368,749	1,422,063	987	527	168	120	-	5	1	15	8	6	62	14	24	49	1
-	Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	14 5	7 6	1	2 2	-	-	-	1	-	-	-	-	-	2	
	Godstone, part of* W -	2,754	1,598				-	-		-	-	-		-	-			; .
	Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	72 12	41 9	12 4	8 3	1	1	-	1	-	-	3 2	1 -	1	5	,
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252\end{array}\right.$	16 18 6 8 8	12 10 4 -6	1 1	332 - 3		1 1 1 1		-	1 1 1 1	1 -	1111	1.8 1.1	1	2 1 - 1	
	Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	10 6	9	2 -	2 3	-	-	-	-	-	-		ī	ī	3 -	
	Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	18 13 13	15 4 8	11 1 2	1 2 2			1 -	1 1			4 -	1 1 1		2 -	
	Bexley HHH	12,540	30,590	19	10	3 -	2 -	-	-	-	1 -	2	1 -	-	-	-	ī	
-	Sunbury w Staines WH	11,054 13,277	13,671 13,221	6 7	3 2	1 -	-	-1	-	- 2	=	-	-	~	-	_	-	
-	Hillingdon WHH Uxbridge	6.035 12,757 7,952	12,237 7,253 11,051	5 5 6	6 1 2	$\frac{2}{1}$	-			1 1 1	1 -	1, 1, 1		-		-	1 -	
- Control of the Cont	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	14 11 26 16 12	7 6 12 6 9	3 2 3 1 3	4 2 4 2 1	1111	1111	E 1 E 1 L	2 -	1	1111	1 - 2	- - 1	- - 1	1	
-	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	9 3 70 13	3 24 6	1 11 2	1 - 6 2		- 1		1 1 1 1	1111	1111	1 - 4 2	-	2 -	- - 2	
	South Mimms $\dot{HH}$ Barnet $\dot{W}HH$ Finchley $\dot{H}HH$	} 21,077 4,688	6,367 14,152 25,820	11 12	1 7 8	2 2	1 3		- - -	-	1 1 1	1 1 1		1 2	- 1	- 1	- 2	
The state of the s	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	31 67 34 20 2	22 29 20 10 1 3	2 4 4 2 - 2	6 11 7 4		1 -	1	1	111111	1 -	1 1 1 1	2	311	551	
	Hatfield, part of* W Bushey H Watford WH, part of* -	3,306 9,331	582 7,737	4	-		1 1 1		-	  -  -	-	- - -	-		- - -	-		- The second
The same of the sa	$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330	37 50 41 31 46 54 51	18 34 23 18 23 23 23 25	9 15 9 6 8 7 10	4225342	111111	2		1 3 -	1 1 2 - 1		2 10 7 4 1 4 -	2 1 - 1 1 1	2 1 1 1 1 1 -	1 4 - 5 1	To plant the same
1	Chigwell, part of * HHHH Epping WH, part of * Romford, part of * WH -	11,779 - 6,556	12,941	6 -	5 - 2	2 -	-	-	-		-			-	~	-	1	-
The same of the same of the same of the same of	Ilford - Barking Town, H - Middlesex County Asylum, Wandsworth.	8,493 3,814 —	10,913 - 14,301 -	23 16 -	9 8 3	5 -	3 1 1	- 7 -	-	7	-	- 4	-	3	ī -	ī -	3	-

The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring as follows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham Farley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst district, except the parish of Single Police (pop. 2,282); 41: 3, Chislehurst district; 137: 1, Chislehurst district; 137: 1, Chislehurst district; 137: 1, Chizwell sub-district; except the parish of Theydon Bois and part of the parish of Epping 2, 1,079; 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 30th September, 1899.

			ANNITA	L RATE			The Di	EATH	s regi	istere	d in th	16 We	ek in	clude	
GREATER	Area	Population estimated	of MOR	TALITY 0 living.	DEATHS		ths of				Deatl	ıs froi	m.		
LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7,	8.	9.	10	11.	12.	13.	14.	15.
GREATER LONDON	443,421	6,528,434	15.8	2.3	1983	546	455	_	20	10	59	31	25	143	71
INNER LONDON -	74,672	4,546,752	16.7	2.2	1456	378	335	~	15	9	44	<b>2</b> 3	19	81	57
OUTER RING -	368,749	1,981,682	13.9	2.6	527	168	120		5	. 1	15	8.	. 6	62	14

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY IN EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

		aı	nd :	in certain	FOREIGI	CITIES.						
0	POPULATION					ANNUAL	DE	ATHS	FROI	PRI DISEA	NCIPA SES.	L ZYMO
CITIES,	(enumerated or estimated).	DATE OF RETURE Week endir		Births.	DEATHS.	DEATH- RATE per 1000 living.	Small⊥pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
EDINBURGH - GLASGOW DUBLIN CALCUTTA BOMBAY MADRAS BRUSSELS AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA - ST. PETERSBURG MOSCOW BERLIN HAMBURG DRESDEN BRESLAU MUNICH VIENNA PRAGUE BUDA-PESTH - TRIESTE ROME TURIN (11 days) VENICE CAIRO ALEXANDRIA -	298,927 733,903 349,594 466,460 821,764 452,518 2,511,629 551,011 517,595 315,305 199,285 345,000 291,580 221,255 1,132,677 988,610 1,818,517 675,351 394,300 406,012 445,000 1,623,134 384,622 666,722 166,599 505,850 344,203 171,023 570,062 319,766	Aug. Sept. Aug. Sept.  "" "" "" "" "" "" "" "" "" "" "" "" "	30 30 30 30 26 5 25 23 16 16 16 16 23 18 16 16 9 23 22 23 23 16 9 2 11 16 8 8	153 419 237 - 279 405 1160 261 170 156 - 633 - 911 401 114 204	103 261 223 233 606 306 698 189 	180 185 333 260 383 351 144 176	1	- 2 28 - 6 4 5 	- 4 2	3 1 1 1 1 ? ? ? 1* 2 3* 2 2 3* 2 2 2*	3 2 - ? ? 2 1 8 3 10 3 3 1 1 1 2	- 6 11 83† 162† 66 21 1 1 - 1 - 1 - 1 1 - 1 1 - 1 1 - 1 1 - 1 1 - 1 1 -
NEW YORK (including BROOKLYN) · } PHILADELPHIA -	3,550,053 1,266,832	Sept.	9	1622	1306	19.2	-	9	4	26	16	21 1

\* Including deaths from croup.
† Including 30 deaths from plague in Calcutta, 96 in Bombay.
‡ Including 2 deaths from cholera.

ı								М	ete	orolo	grca	16 (	Obser 1	vat	ions.							5()
		Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	26	sea;	nsof	tions tions ears	ar ig	bles.	and eter,	eter.	nent,	7th; the	
Rain	in a	whose	surracers 5inches above the Ground.	in. 0:03	0.05	0.00	0.16	0.00	82.0	0.03	Sum 1.01	25	el of the	he mea	correctivents	mometer minit	rical Ta	higher,	lectrom	Instrum	on the 2	
			Departure from Average of 16 Years.	Miles. +158	+137	+250	+ 97	1	- 47	+ 12	Sum +544	24	ean leve	el. 1. P.M. J	and tration of a string the training the training the training tra	ulb then num and	luced ire	icates	ering E	nshine	1. P.M. 6	
B.		Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	394	909	352	191	908	264	Sum 2330	23	nidnight ve the m	o sea lever. I., and 9k	nometer ne applic ade duri	e dry bi maxim	y are a ed isher's H liscussio hat of ha	rtne 10 y lat + ind lexerror	olf-regist	Stokes St lay.	in. by 31 o 29'09 ii	
nometer	Ī	ae .	Mean of 24 hourly obs.	1bs.   0.6	0.2	1.0	0.3	0.0	0-1	0.5	:	22	htto r etabo	duce t 3h. P.	ther s by th rds m	well of the of the peratu	oy Glaron across and t	ras ro ind th thein	on's se	pbell-s	29.29 29.29 assed t	ď
m Aner		Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	idnig 159 fe	to re	value	ading ings of tem	eters l rived f g 1890,	e in m	homs.	Cam ne on	d to decre	W CH
uced fro		Press	Great-	1bg. 6.0	3.0	2.01	3.6	1.3	2.3	3.6	:	20	rom n	ading A.M.; 1	daily daily graphi	ean re ean re read	degre	ometr born correct	from T	om th sunsh	sed iro serease • 28th	70 70
Wind as ded	Osler's.	irection.	P.M.	NW.WSW.	WSW. &	WSW.	SSW. SW.	W. NW. &	S. SE. &	SSW. & S.	V.	1 61	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 139 feet above the mean level of the sea;	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at \$h. A.M.; noon; \$h. P.M., and \$h. P.M. The means of	the eye-readings of the parometer, the dry bulb themrometer, and use we use thermometer, are converted into mean daily values by the application of corrections dequeed from a discussion of the photographic records made during the twenty was a decine of the photographic records made during the twenty was	control of the corrected mean reading of the maximum and minimum thermometers. With the corrected mean reading of the maximum and minimum thermometers, forming the mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The	mean daily dow point temperature and degree of humidity are deduced from the mean daily values of the dry and wet builb thermometers of daisher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations made as dreen with during the 50 years ending 1880, and that of horizontal movement as the construction of the observations.	or the air from a unstruction of the anomometricrecords for the to years enough to to.  Intreading columns 9 and 24 it will be borne in mind that + indicates "higher," and  - "lower," than the ayerage.  The valuesgiven in column 17 are not corrected for the index error of the thermometer,	which cannot be determined. The personal of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. Positive: N. negative: w. weak: m. modorate:	s. strong; and v variable.  The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	The resulting of the Dayoffeet interested that is, the beginning of the weak to 22°31 in. by nhown on the 24th; decreased to 22°32 in. by 3h. 2h. on the 27th; increased to 28°65 in. by 3h. Al. on the 27th; and the 27th; decreased to 28°09 in. by 3h. A.M. on the 3th; and the 27th; and the 27th; and the 27th; and 10 the 27th; and 10 the 27th; and 10 the 27th; and 10 the 27th; and 10 the 27th; and 10 the 27th; and 10 the 27th; and 27th	in, by une er
		General Direction.	A.M.	WSW. W.	WSW. W.	W. WSW.	SW. &	SW. &	SW. &	SSE, SSW.	SW	18	pply to the c	as been applare are usually	gs of the bare converted discussion	With the corrected personal corr	w point temp the dry and emperature wich during	a discussion dumns 9 and n the average ven in colum	which cannot be determined. The record of Electricity is The symbols employed are:	v. variable. sin column 2 gate duratic	or the paror y noon on the figure of the figure of the following the fol	10 55 01 Deep
TRE.		Of the Earth	3 feet below the Surface,	59.81	59.45	59-30	59.16	58.90	58.46	57.81	58.98	17	esults a	ection h vations	ereadin meter,a diroms	thermometers. combined the	ally der alues of verage t t Green	ading co	cannot   ecord c mbols	g; and rumbers ne aggre	reading l in, by ed to 29	na mer
TEMPERATURE	4	rion	Lowest on the Grass.	39.6	48.4	43.8	41.1	31.0	29.1	39.0	38.6	16	The r The b	no corr Obser	the ey	thermo combin	mean daily values Thes made a	In res	which The r	s, stron The p	to 29.8 increas	SUUTT , A
TEN	jo	Radiation	Highest in Sun's Rays.	0.801	112.2	115:3	1.601	2.001	0.76	115.6	7.201	15		with	tially wery	wery ed at	inder ng in	ounts ad at	over- rain	after- P.M.;	, mg	
	Degree	midity (Satu-	ration equals 100).	74	29	64	92	78	06	80	92	14	oğ.	reast,	d par nd sho	eand sho lo observ Windy.	Distant thunder ent lightning in	all am ing an M.	rally	y till a	er m	
ween		1	Least.	0.0	2.2	6.3	6.3	1.6	0.0	1.6	2.6	13	GENERAL REMARKS	Very fine till afternoon; overcast, with	vards. ine an reasta	iablea r halo nt. W	and showery. Distant thund 7h. P.M. Frequent lightning	Very fine generally, with small amounts cloud, Lightning in morning and at ight, A slight shower at 5h. P.M.	; gen	cloud r at 3	mino m S	
ance bet	the Air Temperature and Dew Point	remperature.	Great- est.	0 8.61	1.61	18.1	10.1	15.5	11.4	11.8	15:1	12	L REI	ernooi	afterv ng; f 1; ove	y; var al sola at nigl	wery. Freq	ly, wi	rning with	d 11h. A.M.; showe	d.	
Differ	the Air	Ter	Mean daily value.	8.1	11.0	12.0	7.4	2.9	2.2	2.8	2.2	F	NERA	ill aft	nt rain morni ernoor	nerall Parti thing	and showery. 7h. P.M. Frequ	generally, Lightning ight showe	rly mo	M. an II 10h. Ieavy	T W dal U	
	Of the	point.	Mean daily value,	43.7	8.24	43.6	45.3	41.7	6.44	43.9	44.5	101	GE	fine t	nt sligh Iy in till aft	fine ge noon. Ligh	able an and 71 g.	fine g id. L A slig	in eal	cast ti	ne 201 0c	
E.			De- parture from Average of 50 years,	9.3	+ 3.8	+ 1.0	- 2.5	F.9 -	0.2 -	- 4.7	- 2.7	6		Very	frequent slight rain afterwards. Cloudy in morning; fine and partially cloudy fill afternoon; overcast and showery	ancerwards.  Very fine generally; variable and showery in afternoon. Partial solar halo observed at 3h. P.M. Lightning at night. Windy.	Variable at 3h. and evening.	Very fine generally, with small of cloud, Lightning in mornin night, A slight shower at 5h. P.M.	Fine in early morning; generally over- cast afterwards, with continuous rain	between 2h. P.M. and Ilh. P.M. Overcast till 10h. A.M.; cloudy till after- noon, with heavy shower at 3h. 30m. P.M.;	Very line at her wards. Alshulling at hight.	
TEMPERATURE	1		Mean daily yalue,	9.19	28.8	55.9	52.7	48.4	47.6	49.7	52.1	000	Sun above Horizon, in hours.	12.1	15.0	11.9	11.9	8.11.8	11.7	11.7	Sum 83°1	29
TEMPE	OfthoAir	TO TO	Daily Range.	9.91	12.2	14.1	14.5	18.6	50.6	12.0	15.5	7	Registered Sun above Sunshine Horizon, in hours.								- 1	
			Low- est	45.3	54.5	49.0	46.3	40.5	37.1	45.8	45.5	9	Registe Sunshi in hou	8.1	4.8	2.8	က	6.5	8.0	3.5	Sum 32.5	28
			High- est,	6.19	2.99	63.1	90.5	1.69	28.0	8.29	0.19	5	of e.)	- A	- X	A.M.; V. till after-	P.M.; J. till after-	A.M.; ; S. P. P.M.;	48. A.M.; .v.N.	rards. er till gene-	arus; be- n.P.M.	
BARO-	Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 29.777	29.567	29.380	29.338	29.229	29.452	29-195	29.467	4	Electricity. (For explanation of symbols, see Note.)	w. P. generally	w. P. generally	w. P. till IIh. A.M.; w. P. and w. N. till 4h. P.M.; w. P. after-	wards, w. P. till lh. P.M.; v. P. and v. N. till Sh. P.M.; w. P. after-	till 9h. Il 2h. P.M. I. till 7h.	m. F. arterwards. m. P. till 11h. A.M. w. P. till 3h. P.M.; v. N	and v. P. afterwards. Loss of Register till 9h, A.M.; w. P. gene-	nd s. N.	27
	-	rnases	Moon,	:	Greatest	Dec. N. Last	Unarter.	:	:	Apogee		3	ELE (For ex	w.P.	w.P.	w. P. 8 w. P. 8 4h. P.M.	wards. w. P. a v. P. a 8h. P.M.	warus, w. P. till 9h. A.M.; m. P. till 2h. P.M.; s. P. and s. N. till 7h. P.M.;	m. F. a m. P. w. P. til	Loss 9h, A.M	s. P. and s. N. be- tween 3h. and 4h. P.M.	
			e.	FR. 24	25	26	27	28	56	30	1	- ut	E.	24	22	56	27	28	65	90		1
	1899.		MONTH AND	STEPTEMBER SUNDAY -	MONDAY -	LUESDAY -	VEDNESDAY	PHURSDAY-	FRIDAY -	SATURDAY-	MEANS	To. of Column	DATE. SEPTEMBER.	SUNDAY -	MONDAY -	LUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY -		No. of Col

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1899.

OFFICIAL COPY.

## WEEKLY RETURN

OF

#### DEATHS IN LONDON BIRTHS AND

AND IN

### THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 40. 1899. Vol. LX.] WEEK ENDING SATURDAY, OCT. 7. Price 11d.

> General Register Office, Somerset House, October 9th, 1899.

## THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 18.8 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	7	Veeks	ending	g	١		, ,	Weeks	ending	g
Towns.	Sept. 16.	Sept.	Sept. 30.	Oct. 7.		Towns.	Sept.	Sept. 23.	Sept. 30.	Oct. 7.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	17·7 25·2 20·8 22·2 19·6 25·8 16·9 28·1 16·8	22·5 21·2 22·2 17·2 16·1 14·9 26·3 16·8 15·1 13·7 26·4 15·5 10·6 21·8	18·1 23·0 14·7 22·5 12·6 17·8 14·9 17·5 16·6 14·3 16·2 20·1 14·4 17·1 25·8	20·4 19·3 15·1 16·3 15·2 14·6 16·3 16·7 16·7 17·1 13·9 13·6		Noungham	30.9 18.8 26.2 24.9 10.6 21.8 17.6 18.6 31.0 32.5 21.3 29.4 20.1 19.6	27.6 18.9 26.4 27.6 17.0 3 16.3 17.6 19.7 23.3 27.5 27.5 27.5 27.5 28.4 28.6 1 8.3 21.0	6 18·3 9 26·5 9 16·7 4 25·2 6 23·3 9 13·4 7 21·3 8 21·8 6 15·5 7 17·8 9 26·0 9 24·5 6 24·7 6 16·3 7 20·0	24·7 17·9 24·0 24·2 14·7 17·4 13·8 17·1 16·9 22·6 25·3 22·4 23·3 12·1 15·8

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles 1·1 in Nottingham; from "fever," 1·1 in Portsmouth and in Halifax, 1·2 in Sheffield, and 1·6 in Bolton; and from diarrhæa, 1·6 in Portsmouth, in Liverpool, and in Bolton, 1·9 in Salford and in Bolton, 1·9 in Salford and in Blackburn, 2.0 in Hull and in Gateshead, 2.1 in Sunderland, 2.9 in Wolverhampton, and 5.8 in Preston. In none of the thirty-three towns did the death-rate from scarlet fever or from whooping-cough reach 1.0 per 1000. The 113 deaths from diphtheria included 55 in London, 10 in Leeds, 10 in Sheffield, 9 in Leicester, 7 in Birmingham, 4 in Brighton, and 3 in Portsmouth. No death from small-pox was registered in any of the thirty-

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

### LONDON.

In LONDON\* 2540 BIRTHS and 1564 DEATHS were registered. Allowing for increase of population, the births were 108 below, and the deaths 105 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been 18.8, 18.9, and 16.7 in the preceding three weeks, rose again last week to 17.9. During the four weeks ending on Saturday last the death-rate averaged 18.1 per 1000, being 1.5 per 1000 above the mean rate in the corresponding periods of the ten years 1889-98.

The 1564 deaths included 21 from measles, 7 from scarlet fever, 55 from diphtheria, 10 from whooping-cough, 19 from enteric fever, 53 from diarrhea and dysentery, 2 from cholera and choleraic diarrhea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever: thus, 167 deaths were referred to these diseases, leing 30 below the corrected

average weekly number.

The deaths from measles, which had been 17, 17, and 15 in the preceding three weeks, rose again last week to 21, and were 5 above the corrected average. The deaths from scarlet fever, which had been 2, 8, and 9 in the preceding three weeks, fell again last week to 7, and were 15 below the corrected average. The deaths from diphtheria, which had been 22, 42, and 44 in the preceding three weeks, further rose last week to 55, and were 3 above the corrected average; 6 cases belonged to St. Paneras, 5 to Lambeth, 5 to Camberwell, 3 to Newington, and 3 to Fulham sanitary areas. The deaths from whooping-cough, which had been 16, 19, and 23 in the preceding three weeks, fell again last week to 10, and were 9 below the corrected average. The fatal cases of enteric fever, which had been 18, 24, and 19 in the preceding three weeks, were again 19 last week, the corrected average being 17; 4 cases belonged to Poplar, 3 to St. Pancras, 2 to Bethnal Green, and 2 to Camberwell sanitary areas. The deaths from diarrhæa, which had been 233, 162, and 81 in the preceding three weeks, further fell last week to 53, and were 16 below the corrected average. Of the 53 deaths from diarrhœa, 48 were of children under 5 years of age; 41 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 133, 138, and 156 in the preceding three weeks, further rose last week to 215, but were 3 below the corrected The deaths attributed directly to influenza numbered 5, having been 4, 4, and 6 in the preceding three weeks.

Different forms of violence caused 71 deaths, concerning all but 2 of which inquests were held. Of these 71 deaths, 7 were cases of suicide, 2 of execution, and 2 of homicide, while the remaining 60 were attributed to accident or negligence. Six of these were referred to vehicles in the streets, 6 to drowning, and 13 (of infants under one year of age), to

suffocation in bed.

### CASES OF INFECTIOUS SICKNESS IN HOSPITALS.†

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3,003 cases of scarlet fever, 1,519 of diphtheria, and 275 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow: -Of scarlet fever, 461 cases, against 336, 364, and 409; of diphtheria, 245 cases, against 205, 219, and 240; and of enteric fever, 68 cases, against 42, 41, and 52.

<sup>•</sup> Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

† The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

DEATHS of PERSONS BELONGING to LONDON and its SANITARY AREAS, REGISTERED in the 13 WEEKS ENDING 30th SEPTEMBER, 1899.

		1	Death	s fro	n Pri	ncipa	l Zyı	motie	Diseas	ses.		Infants Year of	1 Year Births
SANITARY AREAS.	Total Deaths from all Causes	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping cough.	Typhus.	Enteric Fever.	Simple and undefined Fever.	Diarrhœa.	Deaths from Phthisis.	Deaths of Infunder 1 Year	nder 00 red.
REGISTRATION LONDON	22,824	1	530	87.	432	295	1.	165	-	3,640	1,796	8,990	277
West.  Paddington	488 751 517 723 422 241 290 79		1 12 - 3 3 6 -	1 2 3 8 1 1 2 -	5 4 5 6 3 1 4	3 6 5 5 8 1 1 3		59 38 61 1	/	95 92 92 161 48 23 34 5	34 59 44 61 33 19 40	198 263 227 370 157 60 85 18	252 294 313 332 274 179 354 153
North. St. Marylebone	625 225 1,200 1,574 122 1,007	1/4	6 2 17 30 3 12	4 9 3	14 14 47 11 18	8 3 25 33 - 5.		5 3 10 1t 22 8	-	86 32 203 227 18 170	68 12 87 12) 3 81	197 79 466 623 40 409	195 210 295 256 208 265
Central. St. Giles St. Martin-in-the-Fields - Strand Holborn Clerkenwell St. Luke City of London	168 45 123 171 393 322 130	111111	1 3 5 9 -	- - 1 5 1	1 1 5 4	1 - 1 4 5 1	111113	3 2 1		20 3 14 17 55 49 6	23 6 12 16 35 44 14	56 8 32 51 153 121 20	212 167 348 274 323 263 263 274
East. Shoreditch Bethnal Green Whitechapel St. George-in-the-East - Limehouse Mile End Old Town Poplar	817 818 434 374 383 610 1,040		15 8 12 10 9 7 28	5 - 1 1	22 10 5 2 7 17 15	13 7 7 8 8 14 27		8 9 6 7 2 2 6		182 122 - 36 - 52 - 60 107 223	46 69 42 32 29 37 71	374 302 165 152 160 260 427	359 271 233 329 360 277 288
South.  St. Saviour St. George-the-Mar.Southwk. Newington St. Olave Bermondsey Eastersea Battersea Camberwell	173 452 769 75 532 227 1,598 794 824 1,258 975 177 399 216 263	1	12 30 40 7 37 37 67 17 11 39 44 7 1	1 1 1 1 4 5 3 1 5 4 1 1 - 2	2 18 25 3 19 8 41 10 16 41 15 3 15	5 2 4 1 24 7 9 10 13 22 5		51 32 10 9 31 15 23 1		27 89 100 3 70 28 258 105 155 218 177 24 78 33 43	24 38 74 4 34 13 131 61 57 90 59 8 21 14 24	55 176 310 22 219 88 619 341 362 498 411 64 175 73 104	331 357 309 220 296 298 269 269 269 269 269 291 268 238 238 239 218

In the above Table all deaths of persons in, or on the way to, Hospitals and other Public Institutions, as well as those of persons under treatment in surgical homes, or dying by accident or otherwise in the streets, have been distributed, as far as practicable, to the sanitary areas in which the deceased had previously resided. The deaths of 386 London residents who died outside Registration London in the Strand Union Workhouse at Elmonton, the Holborn Union Workhouse at Mitcham, the City of London Lunatic Asylum at Stone, and the Metropolitan Hospitals and Asylums, have been similarly distributed. In 535 cases the previous residence was outside Registration London, and these have been excluded from the Table.

#### GREATER LONDON.

In Greater London 3,658 births and 2,075 deaths were registered, corresponding to annual rates of 29.2 and 16.6 per 1000 of the estimated population. In the Outer Ring 5 deaths from measles, 3 from scarlet fever, 10 from diphtheria, 7 from whooping cough, 6 from "fever," and 28 from diarrheea were registered. Five deaths from diphtheria and 2 from "fever" occurred in West Ham district; 2 deaths from "fever" occurred in Edmonton district.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.73 inches, and that of the Thermometer 49.3; the latter being 4.00 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 17 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 12.2 hours; the measured rainfall amounted to 0.50 of an inch.

### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of September, 1899. The supply was in the ratio of 251 gallons to one service.

COMPANIES.	Number of	Services.	Daily Suppl in Ga	
Comparing,	SEPTEMBER, 1898.	SEPTEMBER, 1899.	SEPTEMBER, 1898.	SEPTEMBER, 1899.
TOTAL SUPPLY	867,371	889,916	221,831,585	223,177,857
From Thames From Lea and from other Sources -	416,916	426,006	126,442,013	119,759,696
	450,455	463,910	95,389,572	103,418,161
THAMES.  Chelsea	38,049	38,500	12,673,270	12,908,580
	82,990	84,650	23,504,445	22,900,670
	121,991	123,193	36,331,552	35,534,527
	63,067	65,206	22,041,429	21,394,856
	110,819	114,457	31,891,317	27,021,063
LEA AND OTHER SOURCES.  New River	165,166	167,677	43,449,144	41,133,868
	196,607	203,566	33,149,000	44,204,698
	88,682	92,667	18,791,428	18,079,595

Note.—The Return for September, 1899, as compared with that for the corresponding month of 1898 shows an increase of 22,545 services and of 1,346,272 gallons of water supplied daily.

#### ANALYSIS OF METROPOLITAN WATER SUPPLY DURING SEPTEMBER, 1899.

Water-analysis Laboratory, The Yews, Reigate, 6th of October, 1899.

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By special request I am reporting to you the results which I have obtained in the chemical analysis, and in the physical and bacteriological examination of the waters supplied to the inner, and portions of the outer, circle of the Metropolis during the month of September.

These examinations are conducted with a view of ascertaining (a) the chemical and bacterial condition of the raw river waters at the intakes of the several Companies, (b) the bacterial condition of the water as it issues from the filter beds of each Company, and (c) the chemical condition of the water in the distributing mains.

. I append, also, for the purposes of comparison, the results obtained in the chemical analysis of the water supplied to Birmingham and Glasgow by their respective Corporations. These

analyses were made by Dr. Hill, of Birmingham, and Dr. Mills, of Glasgow.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December 1876, as unity, the proportional amount contained in an equal volume of water supplied by each of the Metropolitan Water Companies, and by the two provincial Corporations in question, was:—Kent 0.8, New River 0.9, East London (deep well), West Middlesex, Chelsea and Grand Junction 2.0, East London (river supply), Lambeth and Southwark 2.3, Glasgow 4.9, Birmingham 5.8.

The unfiltered waters contained the following proportions:-Thames at Hampton 4.1, New

River Cut 1.8, and Lea at Angel Road 4.1.

The above figures show that the waters supplied by the Corporations of Glasgow and Birmingham contained more organic matter than the unfiltered waters of either the Thames or Lea, and more than twice as much as that in any of the waters actually supplied by the London Companies.

The Thames at Hampton was, on September 6th, turbid and pale yellow in colour, but it contained, for unfiltered river water, only a very moderate amount either of organic matter or bacterial life. The samples of water taken from the storage reservoirs of the Chelsea, West Middlesex and Grand Junction Companies testify, as usual, to the striking removal of bacteria during the process of sedimentation, and illustrate the importance of this means of preliminary purification. The water actually supplied by the five Companies drawing from the Thames was in every case clear and of excellent chemical quality. The high degree of efficiency attained in the filtration is displayed by the very small number of bacteria found in all the samples of the filtered water. The joint effect of the two purification processes (storage and filtration), employed by the Companies is best ascertained by comparing the number of bacteria present in the Thames water passing the intakes with that found in the water as it issues from the filter beds. Thus, out of every 100 bacteria present in the Thames water at the intakes, the following numbers were removed by the several Companies before distribution:—Chelsea 99.6, West Middlesex 99.2, Southwark 97.8, Grand Junction (general filter well

# Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES   Date   and Place of Collection.												
Chelsea     Grand Junction   Cab Rank, Horse   Gluards, Whitehall   September 9th. Cab Rank, Riding House   Cab Rank Rid	or L			Temperature in Centigrade degrees.	Total Solid Matters.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.		Chlorine.	Total Hardness.
Chelsea     Grand Junction   Cab Rank, Horse   Gluards, Whitehall   September 9th. Cab Rank, Riding House   Cab Rank Rid					1		-					
Chelsea     Grand Junction   Cab Rank, Horse   Gluards, Whitehall   September 9th. Cab Rank, Riding House   Cab Rank Rid				0								
Chelsea   Cab Rank, Horse   Guards, Whitehall.   September 9th.   Cab Rank, Riding House   Street.   Southwark   Cab Rank, Riding House   Street.   September 9th.   Cab Rank, Riding House   Street.   September 9th.   Cab Rank, St. George's Church, Borough.   September 9th.   Cab Rank, Portuman   Street, Oxford-street.   September 9th.   Cab Rank, Portuman   Street, Oxford-street.   September 9th.   Cab Rank, St. George's Church, Borough.   September 9th.   Cab Rank, St. George's Church, Borough.   September 9th.   Cab Rank, St. George's Church, Borough.   September 9th.   Cab Rank, St. George's Church, St. George's Church, St. George's Church, St. George's Church, St. George's Church, Cab Rank, St. George's Church, St. Geo	(		Grand Junction Co.'s	20.1	25.76	*211	.031	*014	116	·158	1.9	18.0
West Middlesex -   Cab Rank, Riding House   Street.   September 9th.   Cab Rank, St. George's   Church, Borough.   September 9th.   Cab Rank, St. George's   Church, Borough.   September 9th.   Cab Rank, St. George's   Church, Borough.   September 9th.   Cab Rank, St. George's   September 9th.   Cab Rank, St. George's   September 9th.   Cab Rank, St. George's   September 9th.   Cab Rank, St. George's   September 9th.   Cab Rank, St. George's   September 9th.   Cab Rank, St. George's   September 9th.   New River   September 9th.   September 9th.   New River Cut at Green Lanes.   September 9th.   Cab Rank, Tottenham   Court-road.   September 9th.   Cab Rank, Tottenham   Court-road.   September 9th.   Cab Rank, Sidney-street, E.   September 9th.   Cab Rank, Sidney-street, E.   September 9th.   Cab Rank, Sidney-street, E.   September 9th.   Cab Rank, Sidney-street, E.   September 9th.   Cab Rank, Sidney-street, E.   September 9th.   Chingford Pumping Station.   September Station, Blackheath-road.   September Station, Blackheath-road.   September Station, Blackheath-road.   September Station, Chingford Pumping Station.   September Station, Harborne.   September Station, Harborne.   September Station, Harborne.   September Station, Harborne.   September Station, Harborne.   September Station, Harborne.   September Station, Harborne.   September Station, Harborne.   September Station, September Station		Chelsea	{ Cab Rank, Horse }	197	23:26	.109	-011	0	121	132	1.8	15.7
Southwark   Cab Rank, St. George's Church, Borough.   September 9th.   September 9th.   Cab Rank, St. George's-   17-2   25-58   121   015   0   154   169		West Middlesex -	{ Cab Rank, Riding House-}	18.4	22.82	.108	.011	0	· <b>1</b> 06	·117	1.8	15.7
Grand Junction   September 9th. Cab Rank, Portman-   September 9th. Cab Rank, St. George's-   Tr2   25:58   121   015   0   140   151   18   169     Lambeth   September 9th. Cab Rank, St. George's-   road, Southwark.   17:5   34:00   100   100   100   178   192   20   22:1     New River   September 9th. New River Cat at Green Lanes.   18:9   32:98   045   006   0   159   165   2:0   20:6     Court-road.   September 9th. Cab Rank, Tottenham   18:9   32:98   045   006   0   159   165   2:0   20:6     Cunfiltered water) -   September 9th. Cab Rank, Tottenham   20:0   32:40   198   042   018   0237   0294   2:0   20:3     Cunfiltered water) -   September 9th. Cab Rank, Sidney-street, E.   20:7   24:42   118   016   0   136   152   18   17:1     DEEP WELLS. Kent   September 9th. Police Station.   14:1   38:48   042   005   0   16:0   16:0   15:4     September 25th. Chingford Pumping Station.   14:1   38:48   04:2   005   0   16:0   16:0   2:3   11:5     Corporation of Birming ham*   September 8th. Harborne.   17:8   26:00   300   040   0   15:0   19:0   2:3   11:5     Corporation of Glasgowt   September 15th. Loch Katrine water.   15:4   2:90   02:8   02:9   0   00:2   031   67   1:3     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   2.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   3.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   3.   3.   3.   4.   5.   6.   7.   8.   9.   10.   11.     Column 1.   3.   3.   3.		Southwark	September 9th. Cab Rank, St. George's Church, Borough.	19.8	24.92	·120	.016	0	·121	137	1.8	17.1
New River -     New River Cut at Green Lanes.   175   3200   100   000   175   125   20   206		Grand Junction -	September 9th. Cab Rank, Portman-	20.3	24:26	•109	.011	0	•140	.151	1.8	16.9
New River -     New River Cut at Green Lanes.   175   3200   100   000   175   125   20   206	Gircle	Lambeth	Cab Rank, St. George's-	17.2	25.58	·121	·015	0	154	•169	1.9	16.9
New River   Cab Rank, Tottenham   189   3298   643   660   6   136   250   250   250	Inne	-	New River Cut at }	17.5	34.00	100	•009	*006	·178	•192	2.0	22.1
(Unfiltered water) - East London East London September 9th. Cab Rank, Sidney-street, E.       20.7 2442 '118 '016 '0 '136 '152 '18 '171 '18 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '016 '0 '136 '152 '18 '171 '18 '18 '016 '0 '136 '152 '18 '171 '18 '016 '016 '016 '016 '016 '016 '016 '016		New River	{ Cab Rank, Tottenham }	18.9	32.98	.045	•006	0	.159	·165	2.0	20.6
East London   Cab Rank, Sidney-street, E.   207   2442   16   616   6   150		(Unfiltered water) -	River Lea at Angel-	20.0	32.40	.198	.042	-018	•237	•294	2.0	20.3
Rent   September 9th.   Police Station,   Blackheath-road.   141   3848   042   005   0   462   467   2-2   260		East London	Cab Rank,	20.7	24.42	.118	•016	0	.136	.152	1.8	17:1
Corporation of Birming-ham*   September 15th.   Loch Katrine water.   Column 1.			Police Station,	14.1	38.48	•042	.005	0	*462	*467	2.2	26.0
Corporation of Birming   2, Court, High-street, Harborne.   178   200   300   300   40   100	Outer Circle.	East London	Chingford	_	30.60	.099	.021	.018	•020	*056	2.1	15:4
Corporation of Glasgowt   Loch Katrine water.   104 2 50 200 50 50 50 50 50 50 50 50 50 50 50 50 5			2. Court, High-street,	17:8	26.00	.300	.040	0	·150	.190	2:3	11.2
Column 1. 2. 5. 4. 5. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Con	poration of Glasgowt	September 15th. Loch Katrine water.	15.4		_			-		-	
		Column 1.							1	3	10.	11.

<sup>\*</sup>Analysed by Dr. Alfred Hill, F.I.C., Medical Officer of Health and Analyst to the City.
†Analysed by Dr. E. J. Mills, F.R.S., of the Glasgow and West of Scotland Technical College.

All the numbers contained in columns 4, 5, 6, 7, 8, 9, 10, and 11, relate to 100,000 parts of the waters. The Table is to be read thus:—The Thames water collected on the 6th September at the Grand Junction Company's intake at Hampton had a temperature of 20·1° C.; 100,000 lbs. of it contained 25·76 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained '211 lb. of carbon and '031 lb. of nitrogen. The above of quantity of water also contained '014 lb. of ammonia and '116 lb. of nitrogen in the form of quantity of water also contained 1014 lb. of carbon and 116 lb. of nitrogen in every form was '158 lb. nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '158 lb. The above weight of water also contained 1.9 lbs. of chlorine, and 18·0 lbs. of carbonate of the contained 1.9 lbs. of chlorine, and 18·0 lbs. of carbonate of the contained 1.9 lbs. of chlorine, and 18·0 lbs. of carbonate of the contained 1.9 lbs. of chlorine, and 18·0 lbs. of carbonate of the contained 1.9 lbs. of chlorine, and 18·0 lbs. of carbonate of the contained 1.9 lbs. of chlorine, and 18·0 lbs.

lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

at Hampton) 98.4, Grand Junction (filtered water main, Kew) 98.6, Grand Junction (filtered water main, Kew, September 15th) 98.3, Grand Junction (south filter well, Kew) 99.3,

The New River Cut, before entering the storage and subsidence reservoirs of the New River Company, was on the 8th ult., turbid, nearly colourless, and contained only a very small proportion of organic matter. The amount of bacterial life was very moderate for unfiltered river water, and was greatly reduced in passing through the reservoirs. This water, after filteration by the New River Company, was both chemically and bacterially similar to deep well water. Out of every 100 bacteria present in the water of the New River Cut, 99.7 were removed by the Company before distribution.

The River Lea, at Angel Road passing the intake of the East London Company, was, on the 8th ult., turbid and pale yellow, and resembled the unfiltered Thames water, both as regards the amount of organic matter and bacterical life which it contained. The amount of basterial life was greatly reduced during the storage to which the water was subjected by the East London Company. The filtered water supplied by the East London Company was of excellent chemical quality, one out of the five samples examined, however, contained a distinctly larger number of bacteria than usual. The improvement effected in the Lea water by the East London Company is shown by the following figures, representing the numbers of bacteria removed by storage filtration out of every 100 bacteria present in the river water:-No. 1 Essex filters 97.9, 99 2; No. 2 Essex filters 89.3, 98.4; Middlesex filters 95.2.

The deep-well water supplied by the Kent Company was of a very high degree of organic purity, and a sample taken directly from the "New" Well at Deptford was found to be

almost quite free from bacterial life.

A sample of water taken from the East London Company's deep well, at Chingford, was of the same degree of organic purity as the best of the filtered Thames waters.

Seen through a stratum two feet deep, the New River and Kent waters were clear and colourless, the East London (deep-well) water was very slightly turbid and colourless, whilst all the other waters were clear and very pale yellow.

In the following table are recorded the number of micro-organisms found by gelatine plate

cultivation in the several samples of water.

DESCRIPTION.	Microbes per c.c.	Temp. C.
RAW AND STORED RIVER WATERS.  River Thames at Hampton, September 6th  " after storage by Chelsea Company, September 6th  " by West Middlesex Company, September 7th  Grand Junction" Company's water at Kew Bridge passing to filters,  September 7th  New River Cut before passing through reservoirs, September 8th  River Lea at Angel Road, September 8th  " after storage by East London Company, September 8th  " " " " " " " " " " " " " " " " " " "	3,800 700 1,340 920 2,320 640 3,080 1,480 1,580	0 20°1 19°8 19°7 20°4 17°5 18°1 20°0 19°4 17°3
FILTERED RIVER WATERS AS SUPPLIED.  THAMES.  Chelsea Company's general filter well, September 6th West Middlesex Company's general filter well, September 7th Southwark Company's tap on filtered water main at Hampton works, September 6th Grand Junction Company's general filter well at Hampton, September 6th  " " september 7th " " september 7th " " september 15th South filter well at Kew Bridge, September 15th Lambeth Company's general filter well, September 6th	14 30 83 62 52 64 26 16	20°3 19°7 -, 20°3 20°3 20°4 17°8 18°0 20°3
LEA.   New River Company's general filter well, Sectember 8th	8 64 26 330 48 148	18.6 18.7 16.7 18.7 16.7 19.4
DEEP-WELL.  Kent Company's "New" Well at Deptford, September 9th	. 3	11:5

Dr. Hill, F.I.C., Medical Officer of Health for Birmingham, reports that the water supplied by the Corporation of that City on September 8th, was, "very slightly turbid and pale green"

Dr. Mills, F.R.S., of the Glasgow and West of Scotland Technical College, reports that the water supplied to that City from Loch Katrine on September 15th, was, "light brown in colour, and contained a little suspended matter.

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									<b>3</b> 17	UI	,		Jec 	0076	,	a	711		44			000	9:	•											
	CITIES	вокотенѕ	Cols.	33 TOWNS.	Lowbox	WEST HAM.	CROYDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BULTON.	MANCHESTER.	SALFORD.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	BUNDERLAND.	GATESHEAD.	NEWCASTLE.
ALL.		In Centi-	24.	2.49	1.07	121	2.06	9.57	3.53	1	1	1	1	2.51	1	1.22	1	2.84	1	1	5.01	1	1	1	1	1	ı	3.58	1 8	3.40	1	- 0.01	10.7	1	_
RAINFALL		In Inches.	23.	0.93	0110	000	0.81	1.01	1.39	1	1	1	1	18.0	1	0.01	1	1:12	ı	1	62.0	ı	ı	1 1	1	ı	1	1.11	, 0.1	1.34	ı	10.0	Ta 0	1	1
True.	<u> </u>	Centigrade.	22.	60.6		19.61	0.30	86.61 19.98	11.17	1	1	1	þ	29.9	ŀ	9.26	1	7.83	1	1	8.83	1	.!	1 1	1	1	1	7.33	1 0	8.33	ŀ	1 1	0 1	1	1
OF LEED	Mean	Fahrenheit.	21.	43.5	-	49.3	1 8.87			-	i	1	ı	44.0	1	49.5	1	46.1	ř	1	47.9	1,	ı	1 1	11	1		45.2	1 1	47.0	1	1 00	0.0%	ı	1
TORR		E Lowest,	30.	30.0	1	6.58	33.5	41.8	39.5	. 1	1	1	ţ	32.0	1	35.6	1	30.0	ı	.1	37.6	1	1	1 1	ı	1	1	34.3	1 3	34.8	ı.	1 6	0.10	1	1
AND AND		Hahrenheit.	19.	64.5 3	_	0.89			64.5	0 1	6 1	1	í	0.29	. 1	0.69	1	6.19	ī	î	61.3	1	ŧ	1 :	1 1	1,1	1	57.5	1	9.29	1	1 6	0.90	1	,
1000,	saths.		18.	2.4	*(	1.6	Page - State	8.0	0.00		1.2	1	1.5	4.1	2.8	1:4	3.4	3.3	1.2	6.0		3.0	4.	4.0	00 C	3.5	2.2	2.0	23	4 4	4.50 4. r	4.0	15 th	2.4	3.0
per 100 orrespon	to the Week's Deaths	From All Causes.	17.	18.8		17.9	15.8	16.7	16.9	17.1	14.6	16.3	13.1	30.2	20.4	14.7	8.21	17.4	16.7	18.1	24.7	15.1	24.0	12.8	16.6	19.3	22.6	13.6	13.6	16.3	1.61	4.77	23:3	17.1	24.5
-	·43	Uncertified Causes of Dea	16.	553				,	1 1	1	¢.1	1	l	1	2	1	ı	1	ı	!	16	ı	ŀ	·	1	1	4	-	1	-	1	9	1 0	1	23
-		Deaths in Public Institutions	15.	228	7	109	7 -	I :	14	1 21	16	33	4	10	30	9	12	9	9	2	61	10	99	- F	1	7	П	က	00	9	15	20, 12	10	-	22
		Inquest Cases.	14.	316	0,	1.48	0 0	20 et	o 4	4	10	9	1	ে	00	6/3	6.7	ro	L-	- 1	16	7	22	-	1 -	, es	<b>०</b> १	1	_	22	16	ന .	4 4	1	7
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r nazazs	Deaths from	Whooping-	10.	42	7	0 F	-	( )	1 1	1	1	-	1	1	6.4	1	1	1	1	1	9	-	භ	en .		1 24	C/3	7	1	ଦୀ	-		no 1	-	н
TRAL ST	Death	Diphtheria,	9,	113	1	25	-	1 -	# en	1 0	1	7	\$N	-	7	. 67	6	- 1	1	i	67	1	1	C/3	-	1	H	ı	1	1	10	10	-	ı	-
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	the of	Persons aged 60 Years and upwards,	5,	606	000	386	10	2 :	161	22	12	13	7	4	32	2	13	22	6	6	59	L-0	19	.16	OT E	, II	4	6	ന	14	36	33	19	2	15
	Dea	Infants under I Year of	4,	1121	0	359	10	10	12	00	26	15	9	13	61	10	21	26	Π	17	81	14	69	98	n 6	18	26	00	00	19	44	48	33	1 4	32
Registered during	t. 1899.	DEATHS.	ຄຸ	4104	1	1564 01	T. F.	41	36	1 66	06	58	24	35	201	32	73	08	34	40	300	47	250	901	040	20	19	27	26	- 74	155	155	200	32	106
Registere	7th Oc	ВІВТВВ,	oi	2299	0	2540	. 691	63	19 6	75	182	26	47	92	326	47	120	142	64	69	422	96	366	191	20 00	27	89	58	41	105	279	232	162	89	150
	POPULATION	to the middle of the Year 1899,*	1.	11,404,408	GLE OT L	300 941	197 751	109 996	180.741	100.637	320,911	185,826	103,722	88.821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,002	218,244	119,061	135,154	117,622	103,464	97.721	236,241	423,889	361,169	234,270	106.552	228,625
	CITIES	AND BOROUGHS,	Cois.	38 TOWNS - 1		LONDON	WEST HAM	CROYDON -	PORTSMOUTH -		BRISTOL -	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRWINGHAM	NORWICH	LEICESTER	NOTTINGHAM -	DERBY	RIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	SALFORD	OLDHAM	BLACKBURN -	PRESTON	HUDDERSFIELD -	HALIFAX	BRADFORD	LEEDS	SHEFFIELD	HULL	GATESHEAD -	NEWCASTLE

Table 2. LONDON.—Births and Deaths Registered in the Fortieth Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2364 1180 1184	2433 1290 1143	2578 1329 1249	2441 1226 1215	2513 1292 1221	2532 1312 1220	2447 1228 1219	2844 1473 1371	2460 1252 1208	2554 1277 1277	2617·8 1352·9 1294·9	2540 1286 1256
TOTAL <b>Deaths</b> -  Males  Females	1381 728 653	757 656	1393 719 676	1344 672 672	1491 740 741	1287 640 647	1342 697 645	1276 646 630	1324 695 629	1620 814 803	1458 6 747 9 710 7	156: 800 764

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fortieth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks,

i	n Hos	SPITA	Ls, in	the L	ast T	HIRTI	EEN V	ZEEKS			1		3
	July 15.	July 22.	July 29.	Aug. 5.	Aug. 12.	Aug. 19.	Aug. 26.	Sept.	Sept.	Sept 16.	Sept.	Sep 30.	Oct
TOTAL Births	2351	2444	2494	2577	2214	2671	2646	2532	2442	2675	2531	2399	254
TOTAL Deaths	1387	1589	1884	2200	2068	2208	2100	1931	1934	1643	1649	1456	156
$\begin{array}{c} \text{Ages at} \left\{ \begin{array}{c} \text{Under 1 year } - \\ 1-5 \text{ years } - \\ 5-20 \\ 20-40 \\ 40-60 \\ 60-80 \\ \end{array} \right. \\ \begin{array}{c} \text{20} \\ -60 \\ 80 \text{ years and upwards} \end{array}$	367 175 82 171 271 270 51	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	35 17 8 21 33 31 7
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery - Cholera	1 48 4 37 26 -6 -75 2	46 8 42 20 - 8 - 185 7	56 5 35 19 - 13 - 350 12	60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 463 21	48 8 33 28 - 11 - 481 16	52 7 29 18 - 16 - 426 21	34 5 29 31 - 18 - 368 22	33 5 24 25 1 11 - 322 8	17 2 22 16 - 18 - 233 9	17 8 42 19 24 162 6	15 9 44 23 - 19 - 81	51
All the above Diseases -	199	316	490	648	600	625	569	507	429	317	278	193	16
Dis. of Respiratory System—Phthisis— Dis. of Circulatory System—Violence Inquest Cases————Deaths in Public Institutions—	176 115 122 67 128 454	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	214 17: 15: 7: 14: 50:
TEMPERATURE OF THE AIR.													
Mean	66.2 77.7 56.9	70°2 83°2 57°9	64.8 75.4 55.3	67·5 78·8 57·3	63.8 74.6 55.7	66.5 77.4 57.2	60.4 79.8 53.6	63.5 74.1 55.2	65.6 76.5 55.2	57.5 67.0 48.8	51.6 63.5 48.2	52·1 61·0 45·5	49: 56: 42:
Humidity of the Air	67	58	67	69	73	64	63	71	70	73	68	76	8
Rain-fall(in inches)	0.09	0.06	0.97	0.09	0.03	0.00	0.00	0.29	0.54	0.27	0.36	1.01	0.5
Registered Sunshine (in hours)	49.4	71.0	63.6	79.7	54.9	49.4	74.8	53.4	47.5	23.5	38.3	32.5	12
CASES OF INFECT	lous	SICKN	ESS IN	Hosi	PITALS	* AT	THE E	ND OF	EACH	WE	K.		
Small-pox	2602 1434 99	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	2836 1487 252	3000 1519 27

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LLD., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottligham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the FORTIETH Week of the Year 1899.

				E.C	ORI	LE	тн	VV (	eek	of the Year 1899.				_					
	TH	899.	_		r the years	2	In	the	We 7th	ek er Octo	ding	899.							
			Dea				tost	Ē					De	aths	of l	Perso	nso	£	
ES OF DEATH	Avera ek of 1859-9	.8				der 40.	der 60.	under 80.	and 8.	CAUSES OF DEATH	Avera k of 1889-9	38.	τ	Inde	r	der 40.	der 60.	der 80.	and 8.
	Corrected 40th Wee	ALL AGE	1-0	1-5,		an pus 05	40 and un	and	80 years supported.		Corrected 40th Wee	ALL AGE	0-1.	1-5.	5-20,	20 and un	40 and un	and	86 years aupwards.
ES	1458.6	1564	359	172	86	219	339	316	73 	Diseases of Circulatory System }	124.9	157	2	1	11	21	40	65	17
Vaccinated - Unvaccinated No Statement	0.1 0.1 15.5 21.8		7			111111	1	111111	11111	Croup Bronchitis Pneumonia Pleurisy Other Diseases of Respiratory System	1249   157   2   1   11   21   40   65								
gFever	4·2 19·4 51·9 0·6 16·8 1·6 69·2	55 - 19 2	- - 38	-	2	14	3	1	1 3 3	Dentition Quinsy, Sore Throat - Enteritis Gastro-enteritis Peritoritis Diseases of Liver Other Diseases of Digestive System	1·3 31·8 { 6·1 27·9	1 14 47 3 32	1 6 32 - 2	191	- 1 -	6	19	4 2	- - 1 2
and Effects of ) ation - } Affections	0·2 9·2	- - 2 9				2	1 1 1	1	2	Diseases of Lymphatic System & of Ductless Glands	2.8	2	-		1	1	_	-	-
and Septicæmia al Fever motic Diseases	4.8	1 6 -		-		6	1 -	-	-	Diseases of Urinary System	41.6	57	1	2	1	7	18	26	2
nd other Para-}		3	2	1 -		-	-	-		Diseases of Generative System Accidents of Childbirth-				-	_	1 1		2	-
-					-					Diseases of Locomotive System }	6.1	4		_	1	2	1		-
on, Want of } -milk } sm		25	-	-	- -	3	8	1	-	Diseases of Integumen- tary System	7.2	5	4	_	-	-	1	-	-
tic Fever, natism of Heart tism esenterica - lar Meningitis - Constitutional es	1.7 2.4 4.4 74.9 24.5 20.6 153.1 17.8	3 3 7 89 36 18 173 20	ž _		- 2 2 3 12 3	1 1 8 - 78 4	1 - 39 - 1 69 5	2 36 - 10 1 5	1 - 4	VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions -	53.4	1 6 1 2 - 4			- - 1 - 2	1 2 - 1	- 2 - 1	1 1 -	111111
ure Birth sis Malforma-}					-			25	25	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes -		13 1 26	13 - 4		- 4	5 - 4	- - 7	1 7	
y	40.5 6.0 38.2 65.4	43 4 30 63	- 27 5	1 3 5		12	17 2 - 16	24 1 - 19	1 - 3	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.3	272	1			1 1 2	- 5	_1	111
s of Organs of }	3.7	3	-	-	2	-	-	1	-	OTHER CAUSES	66.7	65	52	7	-	-	2	4	-
numbers in this c	olumn a	re th	0 9.VE	ra.c	A W	eel	-lv	dea	thst	or the ten years 1889-98, rai	sed by 5	213 p	er c	ent	, fo	r ir	icre	ase	

numbers in this column are the average weekly deaths for the ten years 1000-05, 1100

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEA SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEEA, VIOLENCE, &c., registered in Sur-District during the Week ending Saturday, 7th October, 1899.

SUB-DISTRICT during the We				I					HSre	gister	red di	aring	the W	eeki	nelud	8	
	France			Dea	thsof	1				Deatl							nns.
N	Enume- rated			ear	ears		1	1	1				pa	1	1		titatic
REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Ye of Age.	Persons aged 60 Yes and upwards.	Small-pox.	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid)	Simple Continued Fever,	Diarrhosa.	Violence.	Inquest Cases.	Peathein Publicanetitutions
rondon -	4,411,710	2,540	1,564	359	389	_	21	7	55	10	_	19	_	53	71	148	501
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	398 570 138 472 962	242 341 83 291 579	53 80 19 85 122	73 83 25 66 130	11111	1 3 - 7 10	1 1 - 5	3 13 3 4 32	- 4 1 4 1	1 1111.	261119	1 1 1 1 1	8 8 - 10 27	11 20 7 14 19	17 35 15 45 36	84 109 37 93 150 28
WEST DISTRICTS. St. Mary Paddington ( G. & W.	90,996	63	24	6	7	-	_	-	- :	_	_		-	_	2	2	4
WHH St. John Paddington $H - G$ .  Kennington Town $Ww - W$ .	33,510 122,164	5 65	5 55	8	3 17		-	- 1	-		-	-			2	4	19
Brompton HH W & C.	48,301	13	9	<del>.</del>	5	-	-	-	-	-	Ť	-	-		1	1	3
North Hammersmith $H$ W. & G South Hammersmith $H$ W. & C. Fulham $W^{n}$ W. & C.	44,638 59,561 113,781	31 23 91	15 21 35	4 7 <b>1</b> 5	4 7 6	1 1	-	1, 1, 1	3	1 1	7 -	1 1 1		$\frac{1}{2}$	1 2 1	3 3	8 15
Chelsea Kensal Town - C. Chelsea North WHHHHH - C. Chelsea South HE C.	21,450 42,057 33,139	14 15 21	13 7	2 1 2	1 4 3		- 1	1 1 1	1 1 1	-		1 1 1.		1 1 -		-	11
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	21 23 3	8 26 9 3	3 3 -	4 7 2 2	1 1 1 1	1111	1111	1111	1 1 1 1	1 1 1 1	2 -	11.4	1 1 -	2 -	2 -	6 13 - 3
$egin{array}{ll} { m St.JamesWestminster} & { m N.\&G.} \ { m W}H & - { m N.\&G.} \ { m St.AnneSoho} & HHHHH & - { m N.} \ \end{array}$	23,050 12,048	4 2	3	1	- 1	-	-4			-	-	1 1			-	1 -	1 -
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	14 7 24 9 17	16 3 1 9	1 - 4 3	1 1  1 2	1 1 1 1 1	- - - 1	1 1 1 1	1 -	- - 1		1			- - 1 1	1 1	9 -
Hampstead WwHHHHH	75,449	36	21	3	7	-		-	4		-	1	-	1		-	5
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	19 7 28 23 18 57	21 16 7 12 40	- w 5 8 8 5	5 4 1 4 14		- - - 1	11111	1 1 1 2	2		- - 1 1	1 1 1 1 1	-	2 4 1	6 3	11 4 2 9 12
$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWWWHH} \\ \text{Is lington South-west}  H  -  \text{N.} \\ \text{Is lington South- } \epsilon \text{ast}  -  \text{N.} \\ \text{Highbury}  HH  -  -  \text{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	56 73 29 32	49 25 9 11	13 10 3 4	9 4 1 4		1 -	1111	1 1 1 1	1			1 1 1	2 - 1 -	3 1 1 -	6 3 1 2	29
$\begin{array}{llllllllllllllllllllllllllllllllllll$	33,485	13 18 36 30 24	13 10 14 19 35	3 2 3 1 12	6 4 2 2 11		11111		- 6	11111	11111	1 1 1	7   1   1	1 1 2	- 3 3	2 - 3 4	- 85 15

Note.—The Halic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Distribution that in which it stands; u—Hospital; u—Lunatic Asylum; u—Frivate Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. significant Junction Company; u—West Middlesex; u—Chelsea; u—Southwark and Vauxhall; u—Lambeth; u—Neighbor in the Refurn.

See note u—on second page of this Refurn.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and South Hammersmith, respectively.

LOND D. —POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, BT FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER. DIARRHEA, VIOLENCE, &c., registered in each interest during the Week ending Saturday, 7th October, 1899—continued.

							Th	e DE	ATHS	regis	tered	duriz	gthe	Wee	kins	lude		
	Enume-			Dea	thsof	1				Deat						1	) in	of.
RATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Total DEATHS	Infantsunder I Year of Age,	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	ScarletFever	Diphtheria	Whooping-cough	Typhus,	Enteric (or Typhoid)	Simple Continued Fever,	Diarrhoea,	Violence	InquestCases	Deaths in Public Institution	Uncertified Causes
														,				
NTRAL DISTRICTS.  e Bloomsbury N. Bouth WH N. North H N.	16,110 12,976 9,151	5 24 3	17 -	1	1 3 -	111						1.1.1		1 1 1	111	1	2	
in-the-Fields HHN.&C. WHH N. ion Workhouse, Edmonton	13,077 11,839 +1,037	8 6 -	9 8 -	1 -	2 5 -	-	1 1 1			-					1 1 -	1 4 -	7 5 -	
wHHHHHHH - N. Clerkenwell - N. Street N. HHHL - N. SS-street - N. Union Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	10 10 24 18 22 3	14 2 7 9 6 1 1	8 1 2 2 3 - 1 - 1	2 - 1 2 - 1 -	1111111	111111	1 4 1 1 1 1 1 1	2	1	1111111	1 3 1 1 1 1 1 1	111111		1 1 1	1 1 2 - 1	8 - 1 - 1	111111
ph* HH N.&E. tte N. chre WH N. sBarking N. ndon Asylum, Stone N.	9,762 3,299 9,591 9,059 †388	1 4 - -	1 2 13 -	1111	1 2 3 - 1	1111	1111,	11711	11111	-		1	11111	11111	- 1 -	1 2 -	12 1	11111
AST DISTRICTS.																		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	17,975 29,575 27,645 47,163	9 15 11 20	7 17 4 26	2 3 1 6	2 3 1 7	1.1.1.1	1111	1 1.1 1	1		-		-	1 2 1	- 3	- 2 - 3	1 4 - 8	1 1 1 1
reen North H - E. reen South E. reen East WHI - E.	49,301 34,194 45,667	31 31 15	14 7 27	9 3	2 1 8		- 1		1 -	1	-	-		111			21	
ds E.& N. New Town; WH - E. 's Fields; E.	26,681 } 51,995 {	19 14 9	8 26 5	2 6 3	4 3 -		2 -	-	1 -	1		-	-	1 1 1	1	2 2	23	1 1 1
e's North E. St. George East W E.	39,576 7,930	39 5	. 12 15	2 5	3 3	-	2 1	1.1	-	-		-	-	12 T	1	5 9	10	-
W E.& N.	10,434 14,954 32,917	5 7 26	7 3 12	1 2 5	- 2	1 1 1		-	1.1.1	-	-		-	2	- 1 -	1	4 -	
Old Town West H E. Old Town East - E.	} 111,060	{ 43 49	12 27	5 9	4 9	-	-	-	-	-	-	-	-	-	1 2	3 4	9	-
wwwH E.	41,687 69,821 57,759	29 50 45	15 30 17	5 10 6	6 6 2	-	1	-	1	- 1	-	1		- 22	3 2	1 8 4	1 12	f l l

<sup>\*</sup> The Sub-Districts of St Botolph and Broad Street were united on 1st September 1899.
† Population in 1891, not included in the total population of the Central Districts or of London, chapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5. LONDON.--POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEEA, VIOLENCE, &c., registere SUB-DISTRICT during the Week ending Saturday, 7th October, 1899—continued.

		1000					The D	EATI	18 reg	ister	d du	ring t	he We	ekin	clude
	Enume-			Deat1	nsof				De	aths	from				1
REGISTRATION SUB-DISTRICTS	Population,	втнв,	nô l	inder 1 Year	Personsaged 60 Years and upwards.	i i		ever.	าเลง	Whooping-cough.		(or Typhoid)	Continued	ъ.	
		Тота В В В В В В В В В В В В В В В В В В В	TotalDEATHS	Infantsunder of Age.	Persons:	Small-pox	Measles.	SoarletFever	Diphtheria	Whoopin	Typhus.	Enteric (or Fever.	Simple Fever.	Diarrhœs	Violence
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road - S. & L. Borough-road WH - S. & L. London-road HL - L. &S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	8 1 14 13 14 23 37 14	5 6 8 10 5 9 20	2 1 2 1 4 5 5	2 2 2 1 7 2	1114111	- 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 - 1	111111	1111111		111111	111	1 - 1 - 1 - 1
St. Olave WH S. Bermondsey W S. Rotnerhithe Ww - S. & K.	11,731 85,475 40,379	57 33	19 30 20	- 10 5	3 2 5		1	-	1 2 -	-		1		2 -	3 1 1
Waterloo-road <i>HH</i> - L. & S. Lambeth Church 1st <i>H</i> - L. & S. Lambeth Church 2nd <i>WW</i> L. & S. Kennington 1st <i>H</i> - S. & L. Kennington 2nd - S. & L. Brixton <i>w</i> L. & S. Norwood <i>WH</i> L.	28,396 18,770 40,994 52,484 43,244 81,825 29,318	25 15 28 48 20 48 16	10 20 26 11 10 19 8	3274233	2 1 9 - 2 6 2	111111	- - - -	2 -	- 2 1 - -	111111	1111111	1	111111	1 2 1 1 2	1 5 - 1
East Battersea       -       -       -       S.         West Battersea       WWH       -       -       S.         Clapham       H       -       -       S.         Wandsworth       WHHL       -       S.         Putney       -       -       S.         Streatham       WwwwwL       -       L.	71,730 93,885 46,953 58,101 20,566 61,644	45 58 24 50 3 32	10 24 17 11 7 24	3232-4	1 8 4 5 3 5		1 1		8	11111	111111	. 1 1 1 1 1	11111	1 2 - 2	1 2 -
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	4 46 47 34	52 21 20	- 4 6 8	21 2 2		1		1 1 1 1	1111	1111	1 1 -	1111	1	ī -
Deptford North K. Deptford Central w K. Deptford South K. Greenwich West H K. Greenwich East WH K.	36,152 45,441 33,402 23,012 37.767	27 28 12 17 24	10 27 5 2 23	3 8 2 - 6	1 2 - 1 5	11111	ī - ī	1	- 6 1 - -			2 -	reini	1 1	11111
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	1 8 25 9	21 5	- 4 2	333			1	6 -			1 -		2	1111
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	19,355 21,959 16,714	9 11 5	14 7 4 4 21	1	$\begin{bmatrix} 2\\1\\2 \end{bmatrix}$		-		3	- - 1 -		2	11111	2	- - -
N.E. Hospital Winchmore Hill Hospital -	-		4		4				_				111111111111	111111111111111111111111111111111111111	111111   111111

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, DEPITALS, and ASYLUMS).—AREA; POPULATION; BIETHS and DEATHS registered during the Week Iding Saturday, 7th October, 1899.

							The	DEA	THS	regist	ered i	n the	Week	rineli	ıde	,	_
		Enume-		เก็	Deat	hsof				Death	s from	n				0	9.8
REGISTRATION SUB-DISTRICTS,	Area in Acres.	Population,	BIRTHS	DEATHS.	Infants under I Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
DON-OUTER RING -	368,749	1,422,063	1,118	511	140	142	_	5	3	10	7	6	28	30	42	77	2
Carshalton wHH	12,228 10,423	26,108 12,508	20 5	4 2	-	$\frac{2}{1}$	=	-				1	-	-	-	1	-
Godstone, part of W -	2,754	1,598	2	-				-	-	-	-	-	-		~	-	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	75 16	50	11	22 1	-	-	-	-	-	-	2	5	9	16	-
	3,220 14,672 4,565	25,777 33,566 12,178 11,080 18,252	18 22 5 4 11	9 - 8 - 3 7	2 1 - 1 3	5 3 - 1	1111	- - 1	11111				-	1 1	2 - 1	1	-
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	15 5	14 2	8	2 -	-	1	-	-	-	-	2	-	-	1	-
Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	19 7 10	11 3 12	$\frac{6}{1}$	2 1 9	1.1.1	-		1 -	-		- 1	111		1 5	-
Bexley HHH	12,540	30,590	33	7 3	1 1	3	-	-		1		-	1 1	-	-	3	-
Sunbury w Staines WH	11,054 13,277	13,671 13,221	10 11	4 9	1	1 6	-	-		-	-	-	-	- 1	<u>-</u> 1	- 4	-
Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	16 6 5	9 2 3	2 - 1	1 -			-	-		-	-	2 - 1	- - 1	3 -	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	14 7 14 20 20	23 1 11 5 9	4 - 3 1 4	10 1 3 4 2	1111		1 1 1 1 1	- - 1		1 1 1 1	- - 4	2 1 -	3 - 3	14 2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	16 - 66 11	6 20 5	- 5 1	1 - 2 2	1 1 1 1		- 1	1 -	- 1 -		- 2 1		- 1 1	- 1 1	1
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	3 11 12	2 2 5	1 1 1	$\frac{1}{2}$	-		-	-	-	-	- - -	- 1	- - 1	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	43 62 33 21 4 10	13 24 17 19 1	3 7 6 5 -	5 8 5 6	11111	- - 1 -	- - 1 -	ī - -	1	- - 1 - 1	- 2 - -	1 2 1	1 3 1 -	2 1 2 -	
Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	- 5 -	1 2 1	1 1 1	1 1 1		-	-	-	-	-	-	1 1 1	1	- 1	-
$\begin{array}{llllllllllllllllllllllllllllllllllll$	3,266 4,334 6,501 11,779	$\left\{\begin{array}{c} 38,612\\ 58,030\\ 54,750\\ 53,511\\ 32,713\\ 70,188\\ 57,330\\ 12,941\\ \end{array}\right.$	38 68 53 30 57 62 68 11	18 32 20 13 27 32 20	7 13 4 2 9 9 9	2 4 1 6 3 5 -	11111111	1 - 1	1	- 1 - 3 - 1	- - 3 - 1	2	1 3 1 3 - 1	2 - 1 - 1 - 1 -	2 3 1 1 1 - 1	1 3 - 11	
Romford, part of WH - Ilford - Barking Town, H - Middlesex County Asylum, Wandsworth.	6,556 8,493 3,814	4,324 10.913 14,301 —	7 23 14 -	2 5 6 2	1 3 1	- 1 1		1.1.1	1 1 1 i	-	1 1 1	1 -	2	1 3 -	1 3	1 - 2	

eparts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows:—30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham rley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst trict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in d sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 079); 189: 1, the parish of Dagennam in Romford sub-district: also deaths in Workhouses and Hospitals for our Diseases belonging to the Outer Ring in 42; 2, Dartford; 137: 2, Watford and 187: 2, Eppingsub-districts

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS & Rate of MORTALITY during the week ending Saturday, 7th October, 1899.

			ANNUA	L RATE			The DE	ATH	8 reg	istere	l in th	16 We	ek inc	lude
	Area	Population estimated	of MOB	TALITY 0 living.	DEATHS	Dea	ths of				Deatl	hs fro	m	
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet. Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14
GREATER LONDON	443,421	6,528,434	16.6	1.8	2075	499	531		26	10	65	17	25	81
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	17:9 13:4	1.9 1.6	1564 511	359 140	389 142		21 5	7 3	55 10	10	19 6	53 28

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivathe area of a circle having a radius of 14.851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

			HIRI	in certain	POREIGI	OIIIES.						
* 1					-	ANNITAT	DE.	ATHS		PRI		L Z
CITIES	POPULATION (enumerated or	DATE OF RETU	JRN.	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000	Small-por.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Hover
	estimated).	Week en	ding	EXCIUSIVE C	of Stillborn	living.	Smal	Mea	Sca	Diph	Who	F
EDINBURGH -	298,927	Oct.	7	163	107	18.7	-		2	-	-	-
GLASGOW	733,903	33	7	487	248	17.6	-	9	5	4	2	1
DUBLIN	349,594	95	7	190	196	29.2	-	32	-	-	2	
CALCUTTA	466,460	Sept.	2		219	24.4	-	-	-	1	1	7
BOMBAY - ~	821,764	1 ,,	12	184	631	39.9	10	4	?	?	?	18
MADRAS	452,518	27	1	385	327	37.5	-	7	?	?	?	7
PARIS	2,511,629		30	1144	759	15.7	_	4	1	2*	4	2
BRUSSELS	551,011	57 99	30	251	162	15.0	-	-	2	-	1	
	517,595		23	299	142	14.3		_	_	3	4	
AMSTERDAM -	315,305	21	23	213	97	15.9	-		_	1		
THE HAGUE -	199,285	**	. 23	125	73	19.1	-	_		-	3	
	345,000		30	234	98	14.8	_	_		3	1	
COPENHAGEN -	291,580	29	23	158	97	17:3	_	_	3	3*	1	
CHRISTIANIA -	221,255	39 92	23	114	68	16.0	_		_		-	-
	1,132,677		23	511	457	21.0	1	13	6	22	9	1
ST. PETERSBURG MOSCOW	988,610	19	23 23	- 511	440	23.2	2	2	7	2	1	
		**		877	674	19:3		8	9	7	13	
BERLIN HAMBURG	1,818,5 <b>17</b> 675,351	29	16° 30	011	179	13.8	_	-		2*	15	
DRESDEN	394,300	99	2		_	-	_	_	_			
BRESLAU	406,012	29	30	_	4	-	-	-	-	_		-
MUNICH	445,000	99	30	-	197	23.0	_	-	-	1*	1	
VIENNA	1,623,134		23	904	517	16.6		4	5	6*	3	
PRAGUE	384,622	27	23	193	146	19.7	-		4	1	5	
BUDA-PESTH -	666,722	79	23	455	200	15.6	_	1	13	2	2	-
TRIESTE	166,599	19	16	-	-	-	-	-	-	- 1	-	-
ROME	505,850	32	9	202	148	15.3	_	_	_	_	_	1
TURIN (10 days).	344,203	Aug.	10	197	148	15.7	-	1	-	1	2	
VENICE	171,023	Sept.	23	59	46	14.0	-		-	2*		-
CAIRO	570,062	July	8	416	473	43.1	4	39	_	1*	_	4:
ALEXANDRIA -	319,766	,,	8	222	197	32.0	-	-	-	1*	1	
NEW YORK												
(including BROOKLYN)	3,550,053	Sept.	16	-	-		-	-	-	-	-	-
PHILADELPHIA -	1,266,832	99	9	-	-		-			-	-	-
											1	

<sup>•</sup> Including deaths from croup.
† Including 35 deaths from plague in Calcutta, 87 in Bombay, and 3 in Alexandria,
‡ Including 3 deaths from cholera in Calcutta and 1 in Madras,
§ Including 1 death from malarial fever.

							_	_			_										
			1:3	1.5	0.0	0.0	0.0	0.0	0.0	0.4	36	sea ;	dind	ears the	The	ions nent	and	eter.	ent,	the ;	9179
Rain	in a Gauge whose		in.	0.04	0.00	0.31	0.04	0.00	0.00	Sum 0:20	25	of the	he mea	wenty y 1868 for momete	mn 8). m then	bservat moven	ing 1870 higher,	ectrome	nstrum	A.M. on	to the Dy
	on's.	Departure from Average of 16 Years	Miles. + 82	+157	+ 269	+ 18	00	- 92	-131	Sum +295	24	ean leve	P.M. Tand th	agthe bading lib ther	air (colu	of the rizonta	cates"	ering El	nshine]	by 8h.	ה מפי מח
317 fb.	Robins	品がなっ	Miles.	407	517	265	237	152	112	Sum 2023	23	nidnight	o sealeve M., and 9h mometer,	ade duri	ire of the	liscussion	rtneloyelat st + indi	olf-registe	stokes Surlay.	in. by 31.	THETEGRAD
	the	Mean of 24 hourly obs.	lbs.	2.0	1.1	0.5	0.1	0.0	0.0	:	55	htto 1	duce t 3b. P.1 ther	rds m went	peratt midit	snd t	ind th	n's se	seach deach	29.90 ased t	, מתח
om Ane	ure on t	Least	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig 159 fe	to recount to the pulb	the tading	f tem	ived for 1890,	in m	homsca.	Camp 10 on	incre	( PP 01
auced rr	Press	Great.	lbs. 5.7	0.2	12.5	4.6	1.9	6.0	1.0	:	202	from n	adings A.M.; r te dry	graphi uring	ralue o degree	natder	borne	rom T	m the sunshin	ncrease e 4th:	200
Wind as use	Osler's.	Charles   Char																			
	Generall	A.M.	SSE., E.	SSW. SW.	WWW.	SW. &	NEN NEN NEN NEN	NNE. &	NNE. & variable.		18	pply to the c	as peen appi are usually gs of the b	discussion of the baron With the connected	forming the	emperature	lumns 9 and the average	e determine f Electricity mployed ar	in column 28 gate duration	4h. P.M. or '62 in. by 5b to 29.97 in. by	F
TATE:	Of the	3 feet below the Surface,	67.51	57.13	20.19	56.12	29.99	26.20	26.51	56.83	17	sults a	vations readin	irom a 1873 for neters.	neters, i	Green	ding cor, than	annot b cord of nbols e	imbers aggreg	in, by d to 29 reased	10 week
	tion	Lowest on the Grass.	37.0	38.3	9.98	48.1	37.1	32.0	27.0	36.7	16	The re	Obser Obser the eye	deduces ending thermore	thermor mean da	Theav	In read the Libert The Ve	which care	The number of The The Tree	to 28.99 lecrease	and of the
	O Radis	Highest in Sun's Rays.	. 0	1.1.1	113.3	0.69	60.4	0.62	95.3	81.5	15			till							
	of Hu- midity	ration squals 100).	68	68	73	66	65	98	84	98	14	un.	htnin	t rain	fterw		hower	vith c	slight fterw	n na	
			0.1	2.4	5.4	0.0	1:1	1.5	0.0	1:5	13	LARK		sligh rds.	ndy 8		lights.	oast, v	and fine	y can III	
Difference between the Air Temperature	Dew Poi		5.6	0.9	16.5	4.6	7.4	9.9	12.2	8.4	12	L RED	rain	equent fterws	n; ele	t rain.	uent s t night	over s till e ight.	use fog	acreman	
Differ the Air	and		3.0	3.1	8.4	0.5	5.4	4.0	4.4	4.1	11	NERA	ednen	ith fr fine a	ternoo	ednen.	th free	rning hower ly at n	ith den	Table	
1000	Of the Dew point,	Mean daily value.	48.9	45.4	45.1	49.6	43.5	1.55	39.2	45.2	10	GE	· ·	ast, w		ast; fr	ast, wi ; very	in mo ight si y cloud	less, w	70.00	
the state of the s		De- parture from Average of 50 years.	- 2.0	1 5.3	0.0	- 3.1	- 41	9.5 -	6.8 -	- 4.0	6		Cloud	Overcevening	Fine Windy.	Overc	Overcevening	Fine sional si partiall	Cloud frost in	TOT MA	
O T WOULD	Lir.	Mean daily value,	52.1	48.5	53.5	20.1	48.9	48.1	43.6	49.3	œ	above rizon, hours,	1.6	9.11	1.5	1.4	1.3	1.5	1.2	nm 9.8	56
T I I	Of the A	Daily Range,	9.61	8.4	20.4	9.3	7.5	11.0	22.3	14.1	7	red Sur ne Hc rs. in									
		_	43.4	44.5	42.6	48.3	44.9	42.1	32.5	42.6	9	Register Sunshi in hou	0.3	0.0	2.2	0.0	0.0	0.8	5.4	Sum 12.2	28
1			0.89	52.6	0.89	9.29	52.4	53.1	54.8	56.6	2		ally;	ally; be-	- jnc				ally;		
METER.	Mean daily reading	rected and re- duced to 32° Fahren- heit),	in. 29.077	29-507	29.796	29.716	29.953	30.001	30.071	29 732	4	TRICITY planation 8, see Not	general m. N	gener nd m. F n. and 5h	hrough	enerall	enerall	enerally	general m. P.		27
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000	1899.	MONTH AND DAY	OCTOBER SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-		SATURDAY-	MEANS	No. of Column	DATE. OCTOBER	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 41. 1899. Vol. LX.] WEEK ENDING SATURDAY, OCT. 14. Price 11 d

> General Register Office, Somerset House, October 16th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 18.7 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g		Weeks	endin	g
Towns.	Sept. 23.	Sept. 30.	Oct.	Oct. 14.	Towns. Sept. 23.	Sept. 30.	Oct.	Oct. 14.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby -	25·8 22·5 21·2 22·2 17·2 16·1 14·9 26·3 16·8 15·1	18·1 23·0 14·7 22·5 12·6 17·8	20·4 19·3 15·1 16·3 15·2 14·6 16·6 16·3 16·7	13.6 17.2 20.1 19.9 18.1	Liverpool 27.9 London 18.9 Manchester 26.4 Newcastle-on-Tyne 27.6 Norwich 17.0 Nottingham - 22.7 Oldham - 16.3 Plymouth - 17.6 Portsmouth - 19.7 Preston - 23.5	18·3 26·5 16·7 25·2 23·3 13·4 21·3 21·8 15·5 17·8 27·9 26·0	24·7 17·9 24·0 24·2 14·7 17·4 13·8 17·1 16·9 22·6	25·5 18·8 21·9 16·6 11·5
Gateshead -	26·4 15·5 10·6 21·8	20·1 14·4 17·1 25·8	17·1 13·9 13·6	18·1 12·8 17·1 20·9 16·0	Sheffield       -       -       26.0         Sunderland       -       -       28.6         Swansea       -       -       8.5         West Ham       -       -       21.0	24·5 24·7 16·6 16·3 20·0	22·4 23·3 12·1 15·8	19·6· 20·1 15·1

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.1 in Hull and 1.4 in Birkenhead; from "fever," 1·1 in Nottingham and in Sunderland, and 1·3 in Bolton; and from diarrhæa, 1·0 in Sheffield, 1·1 in Liverpool, 1·2 in Salford, 1·4 in Cardiff and in Burnley, 1.5 in Gateshead, 1.6 in Bolton, and 2.7 in Preston. In none of the thirty-three towns did the death-rate from scarlet fever or from whooping-cough reach 1:0 per 1000. The 101 deaths from diphtheria included 57 in London, 10 in Sheffield, 6 in Leeds, 4 in Portsmouth, 4 in Liverpool, and 3 in West Ham. Four deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2549 BIRTHS and 1638 DEATHS were registered. Allowing for increase of population, the births were 84 below, and the deaths 158 Allowing above, the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes which had been

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal pericd had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

18.9, 16.7, and 17.9 in the preceding three weeks, further rose last week to 18.8. During the four weeks ending on Saturday last the death-rate averaged 18.1 per 1000, being 1.3 per 1000 above the mean rate in the corresponding

periods of the ten years 1889-98.

The 1638 deaths included 20 from measles, 9 from scarlet fever, 57 from diphtheria, 10 from whooping-cough, 21 from enteric fever, 49 from diarrhoa and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 166 deaths were referred to these diseases, being 23 below the corrected average weekly number

The deaths from measles, which had been 17, 15, and 21 in the preceding three weeks, were 20 last week, the corrected average being 23; 3 cases belonged to Shoreditch and 3 to Bermondsey sanitary areas. The deaths from scarlet fever, which had been 8, 9, and 7 in the preceding three weeks, were 9 last week, the corrected average being 20; 2 cases belonged to Fulham, 2 to St. Pancras, and 2 to Islington sanitary areas. The deaths from diphtheria, which had been 42, 44, and 55 in the preceding three weeks, further rose last week to 57, and were 7 above the corrected average; 6 cases belonged to Poplar, 5 to Greenwich, 4 to Islington, 4 to Lambeth, 4 to Lewisham. 3 to Kensington, 3 to Fulham, and 3 to Mile End Old Town sanitary areas. The deaths from whooping-cough, which had been 19, 23, and 10 in the preceding three weeks, were again 10 last week, the corrected average being 19. The fatal cases of enteric fever, which had been 24, 19, and 19 in the preceding three weeks, rose again last week to 21, the corrected average being 20; 3 cases belonged to Clerkenwell, 2 to Kensington, 2 to Shoreditch, 2 to Lambeth, and 2 to Battersea sanitary areas. The deaths from diarrhæa, which had been 162, 81, and 53 in the preceding three weeks, further fell last week to 49, and were 6 below the corrected average. Of the 49 deaths from diarrhea, 41 were of children under 5 years of age; 28 more deaths at this age-period were described as due to gastro-enteritis, which appears as a separate heading in Table 4. The deaths referred to diseases of the respiratory organs, which had been 138,156, and 215 in the preceding three weeks, further rose last week to 275, and were 29 above the corrected average. The deaths attributed directly to influenza numbered 13, having been 4, 6, and 5 in the preceding three weeks.

Different forms of violence caused 76 deaths, concerning all but 4 of which inquests were held. Of these 76 deaths, 10 were cases of suicide, and 1 of homicide, while the remaining 65 were attributed to accident or negligence. Three of these were referred to vehicles in the streets, 6 to burns and scalds, 2 to the effects of anesthetics administered for surgical purposes, and 12 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3217 cases of scarlet fever, 1595 of diphtheria, and 308 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 455 cases, against 364, 409, and 461; of diphtheria, 271 cases, against 219, 240, and 245; and of enteric fever, 70 cases, against 41, 52, and 68.

GREATER LONDON.

In Greater London 3,643 births and 2,127 deaths were registered, corresponding to annual rates of 29·1 and 17·0 per 1000 of the estimated population. In the Outer Ring 4 deaths from measles, 5 from scarlet fever, 15 from diphtheria, 4 from whooping-cough, 7 from "fever," and 14 from diarrhœa were registered. Four deaths from diphtheria occurred in Edmonton district and 4 in West Ham district; 4 deaths from "fever" occurred in West Ham District.

# METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29 90 inches, and that of the Thermometer 47 ° 3; the latter being 3° 17 below the week's average in the 50 years 1841-90. The direction of the wind was variable, the horizontal movement of the air being 28 per cent. below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 38 9 hours; the measured rainfall amounted to 0 12 of an inch.

The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the

								<i>D</i>	07	1168	, -	De	ai.	us,	, (	ın	a	11/1	ete	OT	010	gg	٠.										UK
	CITIES	AND BOROUGHS	Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PORTSMOUTH.	BRISTOI.	CARDIFF.	SWANSEA.	WOLVERHAMPTON.	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BULTON.	SALFORD	OLDHAM.	BURNLEY,	BLACKBURN.	HITTINGE SETTET.D	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	GATESHEAD.	NEWCASTLE.
PALL.		In Centi- metres,	24.	99.0	0.30	3 1	0.18	0.13	1	0.43	1	1	0.79	1	0.50	t	62.0	1	1	1.90	1	1	-1	1	1 1	- 1	1	98.0	1	1 0	T 0.7	- 1	1
BAINBALL.		In Inches.	23.	0.56	0.12	1	20.0	0.02	1 1	0.17	1	1	0.31	1	80.0	1	0.31	ı	1	0.12	1 1	ı	1	ı	1 1	ŀ	ı	0.34	1	1 0.43	17.0	1	-
E A.I.K.	an.	Centigrade.	22.	8.26	8:50	3 1	19.2	9.94	1 :	8.61	1	1	7.22	1	8.44	ı	8.20	1	1	8.78	1 1	1	1	1	1 1	ı	1	9.20	1	1 0	000	ı	1
HIJOU	Mean,	Fahrenheit.	21.	47.4	47.3	1	45.7	49.9	1 1	47.5	,	1	45.0	1	47.5	1	47.3	1	1	47.8	1 1	1	1	1	1 1	ı	1	1.65	1	1 6.77	1 1	1	1
MOLVE		the Lowest.	30.	30.5	35		30.2	37.2	1 1	31.0	1	1	31.8	1	35.2	1	32.4 5.7	1	1	33.7	1	1	1	ı	1 (	1	1	31.8	1	- 0.6.6	0 00 -	1	1
W J W W T		Highest Highest Lowest.	19.	65.2	6.7.9	1	0.59	8.19	1	65.0	, ,	1	60.5	ı	65.2	1	62.59	1	1	6.60	ı	1 1	,	1	1 1	1	1	62.4	1	1 4	0 * 0	1	1
1000,	Week's Deaths.	From Diseases in Cols, 6-12.	18.	5.0	0,1	- 61	0.4	23	2.7	9.0	1.7	0.2	1.8	1:1	ı	2.2	œ 100	ı	2.3	3.1	4 -	3.1	1.4	4.5	1.9 4.0	0.2	П	1.3	1.8	4.0	1.8	1.5	0.0
per	то то то то то то то то то то то то то т	From All Causes.	17.	18.7	18.8	13:5	15.5	18.2	2.06	18.4	15.2	151	2.02	17.2	9.11	12.4	20.2	13.2	13.6	25.5	6.67	21.3	19.7	20.8	19.8	17.1	12.8	18:1	0.91	9.06	20.1	18.1	9.91
Ì		Uncertified	16.	53	1	- 67	1	7	ī	1 1	1	1	- 1	9	-	4	2	1	1	10	1 -	ні	1	1	I	6/1	7	-	1	ണ ന	e 1	1	-
	*1	Deathain oilduT anottutitenI	15.	941	542	∞	4	6	מי מי	32	2	ে	∞	38	_	10	19	4	က	74	သ ရ	3 1	4	4	o 9	-	1	11	7	02 2	10	24	4
		Inquest Cases.	14.	298	144	9	2	2	1 1	13	6	c/1	ಣ	11	22	٦	<u>-</u>	_	٦	16	T2	57	67	٦	භ <u>r</u>	1	-1	က	∞	ಣ -	# <del>4</del> 1	2	4
ODD YOU		Тіодепсе,	[ 13.	152	92	4	_	-	1 1	ಣ	ಣ	-	C71	∞	ł	1	4	-	Н	11	9 0	200	1	-	υ 4		ı	1	67		9 65	67	7
2001		.asodrraid	12.	137	49	က	ı	e4 e	ا ش	1	5	ı	-	4	1	က	က	ı	7	E =	ი «	വ	C.3	က	- 9		1	-	64	~ G	) C3	က	_
	a	Fever,	11.	69	21	က	1		n 1	1	-	1	-	1	1	-	20	1	-	5.	41 6	0 01	1.	ଦୀ	- 0	1		t	ा	9 -	٠ es	1	1
	Deaths from	W hooping-	10.	41	10	1	1	1	-	1 1	1	1	1	-	ı	03	~	1	1	=	N 0	٠ -	1	1		1	1	1	က	- С	1 1	1	1
Gan to the	Deat	Diphtheria.	<u>s</u>	101	57	ಣ	-	c4 .	4 -	4 00	1	1	-	c/3	1	c3	1	1	1	4,	<u> </u>	ାଦୀ	1	7	H 1	1	ı	-	9	10	1 1	1	-
		Scarlet Fever.	∞ ∞	36	6	63	1	1	1 1	1	1	Н	1	7	1	ଦୀ	es.	1	1	es ,		- 1	Н	ଦୀ	1 1	1	1	ಣ	-	C/1 C	٥ ا	1	7
		Measles,	7.	49	20	1	J	1	1 -	4 63	8	1	1	ಕಾ	1			1	60	<u>~</u>	1 1	60	1		কা।	1		_	-	C/1 II	o 1	1	1
	-	Small-pox.	6.	M	1	'	<u>'</u>	1	1 1	,	1	1	1	1	1	1	1	1	1	1	1 1	1	'	1	1 1	1	1	1	-	1 *	# 1	1	1
	aths of	Persons aged 60 Years and npwards.	5,	997	465	14	Ţ.	13	13 22	32	12	9	5	32	∞	13	73	10	7	25	01	12	15	-	11 9	12	4	94	8	4 g	27	9	14
	Dea	Infants under l Year of Age.	4	993	333	18	7	<u>ත</u> ර	0 99	31	22	2	6	45	6	14	26	-	13	82 :	11	33	6	16	14 21 21 21	6	4	16	45	3 %	3 11	14	. 26
d during	. 1899.	DEATHS,	21	4080	1638	78	38	43	30 05	113	54	30	35	170	25	12	94	27	30	910	29	68	29	45	45	34	24	85	130	136	26	37	73.
Registered during	14th Oc	BIRTHS, DEATHS.	ાં	6514	2549	179	288	19	25 88	181	84	53	28	332	65	133	151	46	53	00	21.0	140	1.9	53	99 02	45	38	130	230	143	16	08	911
	CIP.	to the middle of the Year 1899.* B	1.	11,404,408 6		300,241	127,759	123,226	100,637	320,911	185,828	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	102,221	218,244	150,772	113,081	135,154	103,464	97.721	236,241	423,889	361,169	145,613	106,552	228,625
			Cols.	1	1	1	1	ı	1 1	1	1	1	LON	1	1	1	1	1	1	1	1 1	1	t	1	1 1	1	1	1	1	t i	'	1	1
	CITIES	AND BOROUGHS,	0	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOI.VERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY -	BIRKENHEAD	LIVERPOOL -	MANCHESTER	SALFORD -	Огрнам -	BURNLEY -	BLACKBURN-	HUDDERSFIELD	HALIFAX -	BRADFORD -	LEEDS	HILL -	SUNDERLAND	GATESHEAD -	NEWCASTLE -

TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-FIRST Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females -	2595 1368 1227	2409 1190 1219	2508 1278 1230	2511 1278 1233	2434 1250 1184	2323 1184 1139	2622 1355 1267	2536 1344 1192	2633 1347 1286	2454 1219 1235	2632 <sup>9</sup> 1348 <sup>0</sup> 1284 <sup>9</sup>	2549 1317 1232
TOTAL <b>Deaths</b> -  Males  Females	1321 679 642	785 687	1321 676 645	1395 697 698	1477 742 735	1291 692 599	1435 733 702	1378 743 635	1381 721 669	1600 812 788	1480°4 765°9 714°5	1638 883 755

The numbers in this column are the average weekly numbers in the forty-first week of the ten years 1889-98, raised by 5 213 per cent for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

					-										
			July 22.	July 29.	Aug.	Aug.	Aug. 19.	Aug. 26.	Sept.	Sept.	Sept 16.	Sept.	Sep 30.	Oct. 7.	Oct. 14.
TOTAL Births	•	-	2444	2494	2577	2214	2671	2646	2532	2442	2675	2531	2399	2540	25491
TOTAL Deaths		-	1589	1884	2200	2068	2208	2100	1931	1934	1643	1649	1456	1564	1638
	year - ears - " " and upwa	rds	556 201 85 151 279 254 63	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 90 233 330 378 87
Deaths from— Small pox - Measles - Scarlet Fever Diphtheria - Whooping-coug Typhus - Enteric Fever Simple Continu Diarrhea and D Cholera -	ed Fever	11111111	- 46 8 42 20 - 8 - 185 7	56 5 35 19 - 13 - 350 12	60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 - 463 21	48 8 33 28 - 11 - 481 16	52 7 29 18 16 - 426 21	34 5 29 31 - 18 - 368 22	33 5 24 25 1 11 - 322 8	17 2 22 16 18 - 18 233 9	17 8 42 19 - 24 - 162 6	15 9 44 23 - 19 - 81	21 7 55 10 19 - 53 2	20 9 57 10 - 21 - 49
All the above D	iseases	-	316	490	648	600	625	569	507	429	317	278	193	167	166
Dis. of Respirate Phthisis Dis. of Circulate Violence - Inquest Cases - Deaths in Public I	ory System	1-	149 116 116 77 137 453	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 -57 135 481	215 173 157 71 148 501	275 180 170 76 144 542
TEMPERATURE O  Mean  Mean of Highest  Mean of Lowest	readings readings	-	70·2 83·2 57·9	64.8 75.4 55.3	67.5 78.8 57.3	63.8 74.6 55.7	66.5 77.4 57.2	66.4 79.8 53.6	63.5 74.1 55.2	65.6 76.5 55.2	57.5 67.0 48.8	54.6 63.5 48.2	52·1 61·0 45·5	49·3 56·6 42·6	47.3 58.9 36.2
Humidity of the A		-	58	67	69	73	64	63	71	70	73	68	76	86	82
Rain-fall (in inche		-	0.06	0.97	0.09	0.03	0.00	0.00	0.59	0.54	0.27	0.36	1.01	0.20	0.12
Registered Sunshi			71.0	63.6	79.7	54.9	49.4	74.8	53.4	47.5	23.5	38.3	32.5	12.2	3819
Small-pox	S OF INFI	ECTI	ous s	ICKNE	SS IN	HOSP	TALS*	AT T.	HE EN	D OF	EACH	WEE	Κ.		
Scarlet Fever - Diphtheria - Enteric Fever -		-	2653 1488 104	2667 1545 131	2704 1526 158	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	2836 1487 252	3003 1519 275	3217 1595 308

The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the CABLE 4. FORTY-FIRST Week of the Year 1899

	r the years	8	In	the lay,	Wee l4th	k en Octo	ding	1899			r the years	S	atur	n th	e We	Octo	ndin	g 1899
	ges for the 10 8*.		Dea	aths th	of P		ns o	ŧ			ges for the 10 8*.		D	eath	s of the	Pers Ages	onso	f
USES OF DEATH	Averages ek of the 1889-98*.	200	U	nder 20.		under 40.	under 60.	under 80.	and 8.	CAUSES OF DEATH	Averages k of the 1889-98*.	20.		Und 20.		under 40.	der 60.	under 80.
	Corrected A	ALL AGES.	0-1	1-5.	5-20.	20 and un	40 and un	60 and un	80 years a upwards.		Corrected 41st Week	ALL AGES.	0-1.	1-5,	5-20,	20 and un	40 and un	60 and unc
AUSES	1480.4	1638	333	182	90	238	330	378	87	Diseases of Circulatory System }	125.2	170	2	1	6	33	47	68
Vaccinated 1 Unvaccinated No Statement t Fever	0.1 0.2 0.2 23.0 20.2 0.1	- 20 9 -	- 6	137	1 2 -	111111	11111			Croup	4·1 126·9 88·7 4·4 22·0	1 137 103 2 32	19 -	17 27 1 3	1 1 5	- 2 10 - 5	15 20 1 10	21
sing Fever	4·2 19·3 50·3 0·2 19·6 0·7 54·6	13 10 57 - 21 - 49 -	2 7 3 - - 32 -	1 3 35 - 1 - 9	19	1 - 11	5 - 3 - 1	4 6	1	Dentition Quinsy, Sore Throat - Enteritis } Gastro-enteritis Diseases of Liver - Other Diseases of Digestive System	6.6 2.0 24.7 { 6.3 22.3 29.4	3 1 10 31 4 20 30	2 3 23 - 1 6	1 5 1	1 1 -	- 3 - 1 5	- 1 1 2 12 8	- 2 2 - 5 9
ophobia ox and Effects of } eination - } eal Affections oclas	0·1 0·4 10·3 5·1	- 12 4	- - 7 1	- - 1	-	- 1	- 2 1	- 1 1	1 1 11	Diseases of Lymphatic System & of Ductless Glands	3.1	3				1	2	-
ia and Septicæmia eral Fever – – Zymotic Diseases	2.6 5.8 1.3	4 2 6 1	- 1	-	1 -	- 6 -	1		1 1 1	Diseases of Urinary System	44.2	58	_	1	4	6	18	25
h	1·2 0·3			-	-	-	-	-	-	Diseases of Generative } System	5°3	6 4	-		21 -	2 4	2	-
1						_			-	Diseases of Locomotive }	-5:1	4-	1	-	1	-	1	1
ation, Want of the standard st	2·0 11·4	1 17	-	-	-	4	9	4	-	Diseases of Integumen- tary System-	5.3	6	_	-	-	1	2	2
matic Fever, tumatism of Heart } matism	8·5 1·7 3·8 4·4 69·5 25·0 22·0 157·5 18·1 14·6	5 2 1 6 98 18 14 180 16 18	7 8 5	- - 3 - 7 4 3 6	2 3 - 9 1	1 2	42 - 60 3 5	2 1 43 - 13 - 7	2	VIOLENT DEATHS.;  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	48.2	4 3 1 - 6		2	2 1	1	12 2	
ature Birth	47.0 4.0 6.6 45.8	54 5 5 57	54 5 2	- 1 -	1	1	-	30	- - 27	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes		12 4 31	12 - 1	-	- 1	2 9	2 4	12
lexy	42:5 8:2 41:0 72:6	47 6 27 82		- 3 10		-	10 3 - 21	29 2 - 23	5 - 5	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.4 6.3 0.2	100	-	1 -	1 1 1	- 4 -	_6	1 1 1
ses of Organs of }	4.5	3	1	1	2	-	-	-	-	OTHER CAUSES	62*9	71	58				3	1

he numbers in this column are the average weekly deaths for the ten years later, which are so certified by registered all the second of the se

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEAS SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in

SUB-DISTRICT during the We	ek enain	g Sati	iraay,	140	n Oc	ton										_	_
						1	The l	DEAT				aring	the W	eekıı	aclud	9	1 8
	Enume- rated			-	thsof		1		1	Death	s fro		( rd				tution
REGISTRATION SUB-DISTRICTS.	Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Year and upwards.	Small-pox.	Measles.	Soarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence,	Inquest Cases.	Deathsin Publicanstitutions
rondon -	4,411,710	2,549	1,638	333	465	-	20	9	57	10	_	21		49	76	144	542
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,636 716,334 1,642,796	384 569 104 462 1,030	252 365 106 293 591	29 85 19 67 133	83 96 25 84 166 11	2 1 1 1 1	1 7 10	25 - 2	2 17 3 6 29	1 3 1 4 1		3 4 2 6 6		5 9 5 9 21	13 17 13 13 20	17 35	8) 117 50 114 150 31
WEST DISTRICTS.  St. Mary Paddington G. & W. WHH	90,996	50	32	3	11	-	-	-	-	-	-	-	-	-	2		9
St. John Paddington $H - G$ .  Kensington Town $Ww - G$ .	33,510 122,164 48,301	58 10	16 33 14	1 4 1	7 9 7	-		-	2		-	1	-	-	1 2	3 6 1	7 10 4
Brompton $HH$ W. & C.  North Hammersmith $\dagger H$ South Hammersmith $\dagger H$ Fulham $Ww$ W. & C.	44,638 59,561 113,781	26 32 90	10 13 40	2 1 10	1 2 9			- 2	-	-		- 1	-	- 2	- - 4	- 4	- 4 11
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH - C.	21,450 42,057 33,139	11 14	25 12	- 1 -	1 9 7			1 1 1	-	-		-	-	1 22 1	- 3	- - 4	13
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	2 30 21 12	17 12 9 3	1 2 -	8 4 1 2		-		1 + 1 -1	-		- - -		1 1 1 1	1	1	13 5 1
$\left\{ egin{array}{ll} \mathbf{St.James\ Westminster} \\ \mathbf{WH} \\ \mathbf{St.Anne\ Soho} & \mathbf{HHHHH} & - & \mathbf{N}. \end{array} \right.$	23,050 12,048	5 8	10	3 -	5 -	-	- 1	4 1	-	1	-	-	-	1 -	-	1	3 -
NORTH DISTRICTS.  All Souls Marylebone } W. Rectory Marylebone W G. & W. St. Mary Marylebone G. & W. Christehurch Marylebone H - W. St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	9 8 25 11 20	19 4 5 3 6	1 3 1 2 1	- 1 - 2		1 1 1 1 1	1 1 1 1	1		1. 1. 1. 1.			- - - 1	2	3 -	12 - 1 -
Hampstead	75,449	30	23	5	7	-	-	4	4	` -	-	1	-	-	-	1	12
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	14 9 13 17 14 51	6 10 8 5 7 50	1 - 2 - 11	1 2 1 - 5 17	1 1 1 1 1	1.	1 1 1 1 1	1	2 - 1 - 1 - 1	11111	11111		1 1 1 3	1 1 1 1 1	- 1 2 1 2 4	7 1 3 17
$ \begin{array}{c c} \text{Upper Holloway} & - & - & \text{N.} \\ \hline WWWWWWHH} & - & - & \text{N.} \\ \hline \text{Islington South-east} & H & - & \text{N.} \\ \hline \text{Highbury} & HH & - & - & \text{N.} \\ \end{array} $	98,273 107,365 66,549 64,577	62 89 36 31	60 32 17 11	15 13 2 6	19 4 4 2		1 . 1	1	2 1 -	1 1 1 1	1 1 1 1	1 - 1	-	1 2 1	1 1 -	1 2 -	33 1 -
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$   \left\{     \begin{array}{l}       12 \\       15 \\       27 \\       46 \\       30     \end{array}   \right. $	10 11 19 28 31	1 1 4 8 8	7 2 4 7 11			-	1 6 -		11111	1	1 1 4 1	- - 1	- 1 6 1	2 7 1	- 5 6 12

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Irivate Lunatic Asylum in which papers received. The Roman capitals signify the Water Companies which supply the different Sub-districts—G. signify Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lamboth; N. Neliver; E. East London; and K. the Kent Company.

See rote † on first page of this Return.
† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1889, and we re-named North Hammersmith and South Hammersmith, respectively.

55. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each traditional the Week ending Saturday, 14th October, 1899—continued.

			1	1			Th	e DE.	ATHS	regis	tered	durir	gthe	Weel	kinol	ude		_
	Enume-			Deat	thsof	1				Deatl						1	) N	of
GISTRATION SUB-DISTRICTS	rated Population. 1896.	Total BIRTHS,	TotalDEATHR	Infantsunder 1 Year of Age.	Personsaged 60 Years	Small-pox	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough,	Typhus,	Enteric (or Typhoid)	Simple Continued	Diarrhosa,	Violence	InquestCases	Deaths in Public Institution	Uncertified Causes Death
CENTRAL DISTRICTS.  corgo Bloomsbury N. corgo Bloomsbury N. corgo Bloomsbury N. corgo Bloomsbury N. corgo Bloomsbury N.	16,110 12,976 9,151	5 4 4	1 4 4	1	1 1				-		-			- 1	- 1 -	2 -	- 2 2	
artin-in-the-Fields HHN,&C ad WHH N. d Union Workhouse, Edmontor	13,077 11,839 +1,037	- \frac{7}{2}	4 4 3	-	3	1 1 1	1 1 1			1 1 1	1 1 1	1 1 1	-	111	1 -	1 -	4 2 3	111
orn wHHHHHH - N. mes Clerkenwell - N cell Clerken well - N cell-street - N. ceross-street	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	16 3 27 5 25 7 2 2 7	17 11 13 9 14 1 1	5 4 2 4	3 2 4 3 1	111111	1			1		111111111111111111111111111111111111111		- 2 1 - -	1 1	2 - 1	11 - 4 - 1	1 1 1 1 1 1 1 1
otolph* HH N.&E. ulegate N. upulchre WH N. ullows Barking N. ullows Jarking N. ullows Jarking N.	9,762 3,299 9,591 9,059 †388	1 1 2 -	5 23 1 2	30 1 1	2 3 - 1	-	-	-	1 2 -	-	-		-	- - 1	7 -	1 8 -	19 2	11111
EAST DISTRICTS.  editch South $Hl$ - E. & N. on New Town $w$ - N. on Old Town N. erston $WH$ - N. & E.	17,975 29,575 27,645 47,163	8 <b>2</b> 5 <b>16</b> 35	3 12 13 29	- 3 6 5	1 6 - 11		1111			- 1				ī -		- 1 1	- 6 13	1111
nal Green North $H$ - E. nal Green South - E. nal Green East W $Hl$ - E.	49,301 34,194 45,667	39 23 28	9 4 21	3 1 4	2 1 6	-	- 2			-		7-	-	- 1	-	1 1	- - 9	
lfields E & N. End New Town; WH - E. man's Fields; E.	26,681 51,995 {	20 24 12	12 45 5	2 8 1	5 5 1	  		1 1 1	1	-		4	-	1	8 1	$\begin{bmatrix} 1\\12\\1\end{bmatrix}$	40	111
eorge's North E. chn, St. George East W E.	39,576 7,930	34	8 12	5 2	6		1 -	-	1	-	-	-		ī	1	2	9	-
well a E.&N. liff W E.	10,434 14,954 32,917	9 11- 17	. 5 5 8	3 4	- 2 1	- 1 -		111	1,3,1	1	- 1 - 1		-	1 -	1 1 -	1 1 1	3 -	
End Old Town West H E. End Old Town East - E.	111,060	{ 30 33	12 19	<b>3</b> 5	3 7	-	ī	-	-	-	-	-	-	1	-	3	7	-
aley wwwH E.	41,687 69,821 57,759	20 48 27	12 48 11	3 5 4	3 20 3	1 1 1	-	-	1 1 2	111		2 -	-	3	<u>ī</u>	2 5 1	1 25 1	

The Sub-Districts of St Botolph and Broad Street were united on 1st September 1899.
† Population in 1891, not included in the total population of the Central Districts or of London.
Thitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox, Mr Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in Sub-District during the Week ending Saturday, 14th October, 1899—continued.

				i		marin Okas SP	The	DEAT	нвте	gister	ed du	ring t	he W	eekin	clud	9
	Enume-			Deat	hsof				D	eaths	from	1				!
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATHS.	Infantsunder 1 Tear of Age.	Personsaged 60 Years and apwards.	Small-pox.	Measles.	ScarletFever,	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence.	InquestCases.
Correct Dramprams	e			acoralicient to e										DIGITAL KADDA		
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	9 5 23 7 16 8 38 17	2 3 15 6 6 8 21 8	- 115 T 1 1 7 5	1 4 3 3 8 1	11111	1 1 1 -	1 1 1 1 1 1 1	1	-			111111		1 1 1 1 1 -	2 1 1 2 2 -
St. Olave $WH_{\backslash}$ S. Bermondsey $W$ S. & K. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	6 58 24	17 25 22	254	1 12 2	- - -	3.1	-	- 1		-	1		1 7 7	321	3 5
Waterloo-road HH - L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW L. & S. Kennington 1st H - S. & L. Kennington 2nd - S. & L. Brixton W L. & S. Norwood WH L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	37 19 30 36 20 43 20	9 14 33 13 13 22 8	ES - OS PHOL	1 13 4 7 11 4		-		1 - 1 -		-		111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 - 1 - 1	3 1 6 2 1
East Battersea S. West Battersea	71,730 93,385 46,953 58,101 20,566 61,644	52 50 30 36 14 35	19 37 17 11 4 24	472312	1 15 8 2 1 8	-		1 1 1 1 1	6		11111	2		1	2	1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	3 58 62 38	1 48 24 13	-677	19 5 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	17 17 17 1	1111		1 1 1	-	- }	1	1 -	- 1
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	19 22 16 9 29	13 21 11 6 18	C1 - C1 P - 1	1 4 3 3 4	F T T T T T	1 1 1 -	11111	8 1		11111	-	11111	por 1 1.0 1 ped	1	1 2 1
Eltham $wH$ K. Leo $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	3 9 30 15	2 6 26 7		1 1 4 4 4		1 -	- 2	4	-		- 1 -	-	2	1	1
Charlton WHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	10 11 23 9 31	4 3 7 5 19	21 4 2	1 2 2	Sector Lawrence Countries Control Statement		11111	2 - 1	-		1111	11111	1	- 1 -	- 1
Banstead Asylum			449	The second secon	2 2	1 -									11111111111	111111111111

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, COSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week nding Saturday, 14th October, 1899.

								e DE	ATHS	regist	ered i	in the	Weel	k incl	ude		
		Enume-		m	Des	thsof	<u> </u>			Deatl	as fro	m					1 20
REGISTRATION SUB-DISTRICTS	Area in Acres.	rated Popu- lation, 1891.	ВІВТИВ	DEATHS	Infants under 1	Persons aged 60 Years & upwds,	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoes.	Violence.	Inquest Cases.	Deaths in Public Institutions.	
NDON-OUTER RING -	368,749	1,422,063	1,094	489	102	139	-	4	5	15	4	7	14	17	40	55	5
Carshalton wHH Epsom, part of * WwHH -	12,228 10,423	26,108 12,508	13 9	7 4	2 -	2 2	-	-	-	1	-	-		-	1	1 2	- - 1
Godstone, part of W	2,754	1,598	-	-	-	-	-	-		-	_	-		-		-	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	76 13	45	9	18	-	-	-	1	1 1	1.1	li -	ŀ	5	7	-
Wimbledon HHH Kingston WH Surbiton H Esher, part of * HH Hampton HL	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	26 26 6 4 7	12 12 4 2 3	1 - 1 -	4 6 2 1 1	11111	11111		1	11111	11111	1	11181	2 1	1 1 - 1	
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	11 13	14 6	2 2	2 3	-	2	-	2	-	-	1	- 2	2 2	2	-
Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	12 9 10	7 3 4	- 1	3 1 1	-		-	1			1,11	1	1 1 -	1 1 2	-
Bexley HHH Dartford WH, part of	12,540	30,590	33	7 2	2	3	-	-	-	-	-	-	-1	-	-	2	_
Sunbury w Staines WH	11,054 13,277	13,671 13,221	14 9	47	1	- 1	-	-	-	-	-	-	1	2	2 1	_	_
Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	9 7 5	7 2 4	2 1	4	-		-	-	-	-		- 1	1	1	1, 111
Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	12 16 23 6 32	9 5 10 9 12	2 1 - 1	2 1 5 7 3			- 1 -			- - 1	2	-	1 - 1	2 - 1 - 2	- - 1
Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	13 1 51 18	3 1 18 7	3 3	1 1 2 1	-	1111	1	- 1	1	1	1111	- 1	1	- 34	
South Mimms HH Barnet WHH Finchley HHH	31,077 4,688	6,367 14,152 25,820	3 5 12	3 4	2 -	-		-		-	-	-	-	-		-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	45 78 35 24 4 6	15 31 20 7 2 3	1 8 2 -	6 5 9 1 1	11111	2	1	1 2 1 - 1	111111	1	1 2 1	1	22	1 2 3 1	111111
Hatfield, part of * W Bushey H Watford WH, part of *	3,306 9,331	582 7,737	3	1 1		1 1	-	-	-	-		-	-	-	-  ,	-	1. 1 1
Stratford H - Plaistow WHHH - Canning Town H - East Ham wHH - Leyton WWWWH - Walthamstow HHHHL - Chigwell, part of * HHHH Epping WH, part of * -	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	22 65 63 29 55 53 57 9	15 19 29 10 12 33 36	4 3 9 2 6 8 13	2 6 4 3 10 5			1 1	2 1 1 1	1 - 2 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	211	2 - 2 - 2 2 2	3 1 2 - 1 3 -	1 2 1 - 7	11
Romford, part of WH Liford Barking Town, H Liford Wandsworth.	6,556 8,493 3,814 —	4,324 10,913 14,301 —	3 23 16	1 7 3 2	3 -	1 2 2 -						-	- 1	1 -	1 -	2	1 111 1

parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring ley in Godstone sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham rict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in 19); 189: 1, the parish of District, except the parish of Boter (pop. 2,282); 41: 3, Chislehurst Sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping University of the parish of Dagenham in Romford sub-district; also deaths in Workhouse and Carlot of the parish of Capping

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS AT Rate of MORTALITY during the week ending Saturday, 14th October, 1899.

			1			1	The DE	АТН	Sregi	istered	l in tl	ae We	ek inc	lude	2 100
OR WARRED	Area	Population estimated	of Mon	L RATE TALITY 0 living.	DEATHS	Dea.		1				hs fro			- 11.000.000
GREATER LONDON.	Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	1000
Cols.	1.	2.	. 3,	4	5	6	1. 7	. 8.	. 9.	10	11.	12.	13.	14	1
GREATER LONDON	443,421	6,528,434	17.0	1.7	2127	435	604	-	24	14	72	14	28	63	9
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	18·8 12·9	1.9	1638 489	333 102	465 139	# T	20 4	9	57 15	10	21 7	49 14	- 670 740

NOTE.—The area of Greater-London is 443,421 acres. This area is equal to 692'845 square miles, which is equival the area of a circle having a radius of 14'851 miles.

. TABLE 8.-BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

	Donwy A myor				ANNULL	DE.	ATHS		PRI DISEA		L
CITIES	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	
EDINBURGH - GLASGOW DUBLIN CALCUTIA	298,927 733,903 349,594 466,460 821,764	Oct. 14 ,, 14 ,, 14 Sept. 9	153 443 198 - 217	92 273 225 257 670	16·0 19·4 33·6 28·7 42·4	1 9	14 44 -	3 1 2 -	2 1	3 2 -	
BOMBAY MADRAS PARIS BRUSSELS	452,518 2,511,629 661,130	,,	387 1194 241	290 808 168	33·3 16·7 15·5	1 -	6	4 3	3* 1*	4	
AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM -	315,305 199,285 349,000 291,580	Sept. 30 30 30 Oct. 7 Sept. 30	188	106	15·8 15·3	1 1 1	1	1 3	3	2	
CHRISTIANIA - ST. PETERSBURG MOSCOW BERLIN	221,255 1,132,677 988,610 1,818,517	Oct. 7 Sept. 30 ,, 30 ,, 23	166 _452 - 931	74 411 467 657	17·4 18·9 24·6 18·8	1 1 -	9 2 7	1 9 10 22	1 18 8 12	1 6 5 13	
HAMBURG DRESDEN BRESLAU MUNICH	675,351 397,300 406,012 445,000	Oct. 7 Sept. 16 Oct. 7 , 7	252	212 155 169 201	16·3 20·3 21·7 23·5		1 2	4 1	- 1 1*	3 - 1	
VIENNA PRAGUE BUDA-PESTH - TRIESTE ROME	1,623,134 384,622 666,722 166,599 508,779	Sept. 30 ,, 30 ,, 30 ,, 30 ,, 16	882 215 400 105 228	545 154 253 81	17*5 20*8 19*7 25*3	-	2 - 2 -	10 - 12 5	7* 2 - 2*	1 1 -	The same of the sa
TURIN (10 days) VENICE CAIRO ALEXANDRIA -	344,203 172,288 570,062 319,766	Aug. 20 Sept. 30 July 15 , 15	395	450 168	41·0 27·3	2	28	1 1,1 1	4*		
NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053 1,266,832	Sept. 16	1	371	- 15 <sup>,</sup> 3	-		- 3	18	4	And the state of t

Including deaths from croup.

Including 24 deaths from plague in Calcutta, 94 in Bombay, and 4 in Alexandria.

Including 2 deaths from cholers in Calcutta, and 1 in Rombay.

			_								1		_		rvatio	710,							3
	Ozone		- -		0.0	9 6		0.0	0.0	0.0	0.1	1	26	488	ns of bulb	the the	The	bles. tions nent	and eter,	eter.	nent,	and	em-
in a Gauge	whose receiving	surfaceis 5inches above the Ground	_	in 0:00	0.00	. 000	00.0	0.19	0.00	0.00	Sum	0.12	25	lofthe	he mea	wenty y 1868 for momet	mn 8).	rical Ta	higher,	ectrom	Instrum	e 12th ;	28, Septem-
	on's.	-	16 Years.	Miles.	DET -	127	10 I	001-	120	- 70	Sum	-4/8	24	agn laye	P.M. T and that	ng the t nding ilb ther	air (colu	rgromet nof the rizonta	cates".	ring El	nshine	c on th	Column
0	Kohinson's.	Horizontal Movement of the Air on each	Day.	Miles.	200	150	101	910	970	183	Sum	nczT	23	nidnight.	sea leve	de durin years e dry bu	maxim re of the	sher's Hy iscussion at of ho	at + indi	mson's self-registering Electrometer negative; w. weak; m. moderate	tokes Su	y 5h. P.M	ne,
T	16	Mean of 24 hourly obs.	_   -	1bs.	0.00	0.0	0.0	0.0	1, 15	0.0	:	1	100	tto m	therp by th	wenty of th	f the eratu nidity	y Glai om ad and th	nd th	n's se ative	ach d	in b	ead 49
	Pressure on the Square Foot.	Least.	- -	1bs.	0.0	200	2 0	0.0	0.0	0.0	:	1	21	idnigl 159 fee	to red	the trading	f temp of hu	ters b ived fr 1890,	in mi	Thomso N. neg	Camp 1e on e	29.58	2nd:
	Pressu	Great. I	- -	1bs. 0.5	0.3	0.0	0.2	4.3	0 00	1.0	:	- <u> </u>	- -	om m	dings dry daily	raphic iring an rea	readi alue o legree	atderi	borne	om To	n the graphin	ased t	k, for 5
Osler's.	rection.	P.M. G	_	E. & ESE	SE. & SW	WSW SW	& SSW SW	SSW.	& WNW.	NE. & ENE.	ble.		19	vil day, or fr	ed to the rea aken at 9h. A rometer, the	fthe photog ster, and dr prrected mea	lean of the nean daily v rature and d	ret bulb ther f the air isth he 50 years f the anemo	4 it will be	is derived fr :-P. positiv	derived from	8th; decreaded of the we	ending September 2nd :-Sunshi. Sum for week, for 53.4h. read 49.0h.
	General Direction.	А.Ж.		Calm &			WSW.		W. WSW.	SW., WSW.	Variable.		18	The results apply to the civil day, or from midnight to midnight. The height of the distern of the barometer is 159 feet showe the mean lavel of the sea	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at \$\text{8}\text{1}\text{.}\$, noon; \$\text{3}\text{h}\text{.}\$. The means of the oye-readings of the barrometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections.	educturion a discussion of the photographic records made during the twenty years ending 1873 for the barometer, and during the twenty years ending 1868 for the the corrected mean reading of the dry bulb the corrected mean reading of the dry bulb thermometer is	outboured the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of immidity are deduced from the mean	uanty vatices of the dry and wet built thermometers by Glaisher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations made at Greenwich during the 50 years ending 1880, and that of horizontal movement of the air from a discussion of the anomometric records.	In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and The valuesgiven in column 17 arenot corrected for the indicates the thermometer,	The record of Electricity is derived from Thomson's self-registering Electrometer.  The symbols employed are:—P. positive; N. negative; w. weak; m. moderate: s. strong: and v. variable.	The numbers in column 28, derived from the Campbell-Stoke salow the aggregated auration of bright sunsaine on each day. The reading of the harmater increased from 20016 in A. 1.	to 30.24 in. by 8h. A.K. on the 8th; decreased to 29.28 in. by 5h. P.K. on the 12th; and increased to 30'04 in. by the end of the week.	Litaua,—neport for week ending September ber 2nd, for 11:3h. read 6.9h. Sum for week, for 53
7,70	Earth 3 feet	below the Surface.		55.84	55.27	54.86	24.48	54.19	54.10	53.94	54.67	-	7.7	ssults ap	vation ha vations reading neter, ar	ending 1873 for thermometers.	neters, for	rerage te Greenw r from a	ding colder, "than aluesgive annot be	mbols er	imbersi: e aggreg	in, by 8b d to 30.04	for 11:3h.
reion.	1011	Lowest on the Grass.		29.5	28.2	27.5	6.83	37.7	31.1	58-9	30.3	101	07	The re	no corre Obser the eye thermor	ending thermor	thermor mean ds	ually va Theav made at of the ai	In read - "lowe The ve	The syrs. Strong	show the The	to 30.24	ber 2nd,
Radiation	Their	Highest in Sun's Rays.		107.1	108.2	7.46	973	1.06	87.3	98.1	9.26		FOT	. * .	ning; d till		frost in Cloudless			was			
Degree of Hu-	(Satu-	equals 100).		94	08	85	· 18	88	99	11	82		14	· ·	morri f clou	y fine	24	nse fog 11 amo	with at n	cloud	r fro	un evening;	
		Least.		0.0	0.0	0.0	0.0	0.0	3.7	1.5	2.0	10	107	GENERAL REMARKS.	fog in unts c	; very	and hoar erwards.	ith de h sma	parhelia in afternoon. generally till evening, 6h, and 8h, P.M.; fine	Jo			
and Dew Point Temperature.		Great-		13.5	16.3	14.8	12.6	9.1	8.61	12.6	14:1	102	10	L REI	hick Il amo with s	orning	og an after	ing, w ie, wit	after till ev P.M.	amount	n, wi	nora	
and Tel	-	Mean daily value.		1.7	5.8	4.3	3.5	3.6	10.9	9.9	5.5	1=	7,	NERA	with the sman	in madless	with gray	morn ery fir	helia i erally and 81	the	ill noc	ght.	
Of the Dew	POLICE	Mean daily value.		44.4	40.6	42.4	45.8	49.8	34.9	37.0	42.1	101	1	GE	less, vie	fog ly clou	less, reg	night. Very cold in morning, with dense fog and sar frost; very fine, with small amounts pland afterwards. Brillionth of the words.	od parl	fine; smali,	Very fine till noon, with hoar frost in	e at ni	
	De-	from Average of 50 years.		:0.9	- 5.3	9.5 -	- 1.7	+ 2.8	- 4.5	6.9 -	- 37	0			Cloudless, with thick fog in morning; very fine, with small amounts of cloud till evening; cloudless, with slight fog at night.	Dense fog in morning; ver generally cloudless after 9h. A.M.	Cloudless, with fog and hoa morning; very fine afterwards.	at night.  Very cold in morning, with dense fog and hoar frost; very fine, with small amounts of cloud a preserved. Relibiously, educated	halos and parhella in afternoon. Cloudy generally till evening between 6n. and 8h. P.M.; find Damp and fogey in mornine.	Very fine; usually small,	Very fine till noon, with	very fine at night.	
ife.	_	Mean daily value.		46.1	46.4	46.7	49.3	53.4	45.8	43.6	47.3	0		Sun above Horizon, in hours.	11:1	11.0	11:0	6.01	6.01	10.8	2.01	Sum 76.4	99
Of the Air,		Daily Range.		29.0	25.9	27.8	27.4	9.21	14.1	17.5	22.8	1		Registered Sun above Sunshine Horizon, in hours, in hours.									1
		Low- est		31.2	33.6	32.7	35.2	45.3	39.1	35.8	36.2	9		Registe Sunshi in hou	6.4	80	9.9	6.3	11	7 33	9.0	Sum 38.9	288
		High- est.	0	60.5	26.2	60.5	65.6	65.6	53-2	53.4	58.6	5		of ()	; 	- nnc	A.M.;	A.M.;	P.M.; till fter-	fter-	- inc		
daily	(cor-	and reduced to 32°. Fahrenheit).	ij	30.219	30.134	30.062	29-737	29.373	29-755	30.012	29-899	4		ELECTRICITY. (For explanation of symbols, see Note.)	till 7h. /	w. P. throughout	ill 10h.	till 8h.	6ill 6h. nd w. N m. P. a	till 9h. 4 erally a	hrough		27
Phases	ofthe	Moon.		:	:	Greatest	:	First Ongress		:		60	-	(For ex	m. P. till 7h. A.M.; w. P. afterwards.	w. P. (	w. P. till 10h. A.M.; m. P. afterwards.	m. P. till 8h. A.M.; w. P. afterwards.	w. P. till 6h. P.M.; w. P. and w. N. till 8h. P.M.; m. P. after-	wards. w. P. till 9h. A.M.; s. P. generally after-	wards. m. P. throughout		
	9	1		00	6	10	11	13	13	14	1	- u	-		∞	6	10	77	12	13	14		
TODD.	MONTH AND	DAY	OCTOBER	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	TH A CH	OCTOBER.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
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LONDON:
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1899.

### OFFICIAL COPY.

## WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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> General Register Office, Somerset House, October 23rd, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 19.0 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	5	2.2	Weeks	endin	g
Towns.	Sept.	Oct.	Oct.	Oct. 21.	Towns.	Sept. 30.	Oct. 7.	Oct. 14.	Oct. 21.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	18·1 23·0 14·7 22·5 12·6 17·8 14·9 17·5 16·6 14·3 16·2 20·1 14·4 17·1 25·8	18·1 20·4 19·3 15·1 16·3 15·2 14·6 16·6 16·7 16·7 17·1 13·9 13·6 19·4	13·6 17·2 20·1 19·9 18·1 18·2 18·4 20·8 15·2 15·5 13·2 18·1 12·8 17·1	19·5 19·7 18·3 19·6 13·1 23·7 19·4 15·2 9·8 10·8 21·0	Leicester Liverpool London Manchester Newcastle-on-Tyne Norwich Nottingham Oldham Plymouth Preston Salford Sheffield Sunderland Swansea West Ham Wolverhampton -	26.5 16.7 25.2 23.3 13.4 21.3 21.8 15.5 17.8 27.9 26.0 24.5 24.7 16.6 16.3	17·4 13·8 17·1 16·9 22·6 25·3 22·4 23·3 12·1	25·5 18·8 21·9 16·6 11·5 20·5 19·7 20·2 16·7 19·9 21·3 19·6 20·1 15·1 13·5	28·4 18·0 23·6 20·3 11·5 15·9 17·3 22·3 15·9 18·6 24·4 20·6 20·1 13·6 18·4

The highest annual death-rates per 1000 living, as measured by last week's mortality, were: -from measles, 1.4 in Burnley, 1.6 in Plymouth, and 1.8 in Birkenhead; from scarlet fever, 1.0 in Salford and in Oldham, and 1.4 in Burnley; from whooping-cough, 1.0 in Gateshead; from "fever," 1.0 in Gateshead, 1.3 in Sheffield and in Hull, and 1.7 in Nottingham; and from diarrhea, 1.1 in Sunderland, 1.2 in Wolverhampton, 1.4 in Portsmouth and in Salford, 1.5 in Blackburn, and 2.7 in Preston. The 129 deaths from diphtheria included 60 in London, 14 in Sheffield, 13 in Leeds, 6 in Birmingham, 6 in Liverpool, 4 in Portsmouth, 3 in West Ham, and 3 in Blackburn. No death from small-pox was registered in any of the thirty-three towns.

#### LONDON.

In LONDON† 2529 BIRTHS and 1567 DEATHS were registered. for increase of population, the births were 126 below, and the deaths 21 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes which had been

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of. Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums stuated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

16.7, 17.9, and 18.8 in the preceding three weeks, fell again last week to 18.0. During the four weeks ending on Saturday last the death-rate averaged 17.9 per 1000, being 0.8 per 1000 above the mean rate in the corresponding

periods of the ten years 1889-98.

The 1567 deaths included 26 from measles, 6 from scarlet fever, 60 from diphtheria, 6 from whooping-cough, 15 from enteric fever, 25 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 138 deaths were referred to these diseases, being 52 below the corrected average weekly number.

The deaths from measles, which had been 15, 21, and 20 in the preceding three weeks, rose again last week to 26, but were 2 below the corrected average; 4 cases belonged to Islington and 4 to Bethnal Green sanitary areas. The deaths from scarlet fever, which had been 9, 7, and 9 in the preceding three weeks, fell again last week to 6, and were 16 below the corrected average. The deaths from diphtheria, which had been 44, 55, and 56 in the preceding three weeks, further rose last week to 60, and were 5 above the corrected average; 7 cases belonged to Lambeth, 7 to Camberwell, 5 to St. Pancras, 5 to Islington, 5 to Mile End Old Town, 4 to Wandsworth, 3 to St. Marylebone, and 3 to Newington sanitary areas. The deaths from whooping-cough, which had been 23, 10, and 10 in the preceding three weeks, further fell last week to 6, and were 17 below the corrected average. The fatal cases of enteric fever, which had been 19, 19, and 21 in the preceding three weeks, fell again last week to 15, and were 5 below the corrected average; 3 cases belonged to Camberwell and 2 to Westminster sanitary areas. The deaths from diarrhæa, which had been 81, 53, and 49 in the preceding three weeks, further fell last week to 25, and were 16 below the corrected average. Of the 25 deaths from diarrhœa, 23 were of children under 5 years of age; 27 more deaths at this age-period were described as due to gastro-enteritis. The deaths referred to diseases of the respiratory organs, which had been 156, 215, and 275 in the preceding three weeks, further rose last week to 306, and were 19 above the corrected average. The deaths attributed directly to in bered 5, having been 6, 5, and 13 in the preceding three weeks. The deaths attributed directly to influenza num-

Different forms of violence caused 79 deaths, concerning all but 5 of which inquests were held. Of these 79 deaths, 15 were cases of suicide, while the remaining 64 were attributed to accident or negligence. Six of these were referred to vehicles in the streets, 6 to burns and scalds, 2 to the effects of anesthetics administered for surgical purposes, and 11 (including

10 of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3408 cases of scarlet fever, 1659 of diphtheria, and 331 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 447 cases, against 409, 461, and 455; of diphtheria, 269 cases, against 240, 245, and 271; and of enteric fever, 50 cases, against 52, 68, and 70.

GREATER LONDON.

In Greater London 3,658 births and 2,049 deaths were registered, corresponding to annual rates of 29·2 and 16·4 per 1000 of the estimated population. In the Outer Ring 7 deaths from measles, 2 from scarlet fever, 10 from diphtheria, 4 from whooping cough, 9 from "fever," and 9 from diarrhea were registered. Five deaths from measles, 4 from diphtheria, and 6 from "fever" occurred in West Ham District. A death from diphtheria of a person belonging to West Ham District occurred in the London Fever Hospital.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30°07 inches, and that of the Thermometer 47°.4; the latter being 2°·1 below the week's average in the 50 years 1841–90. The direction of the wind was easterly, the horizontal movement of the air being 34 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 43°3 hours; no rain was measured during the week.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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	CITIES	AND	Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PORTSMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON,	MANCHESTER.	OLDHAM.	BURNLEY.	BLACKBURN.	PRESTON.	HUDDERSFIELD	HALIFAX.	BRADFORD.	LEEDS,	HILL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
ALL.		-itas Centi- metres.	24.	0.03	0.00	\$	0.00	0.00	0.00	0.15	J	1	0.00	1	0.03	r	0.00	1.	1	0.00	1	1 1	1	1	1	1	0.00	1 00	200	1 1	0.00	1.	I	1
RAINFALL		In Inches,	23.	0.01	00.0	1	0.00	00.0	00.0	90.0	ı	1	0.00	1	10.0	1	0.00	ı	1	0.0	1	! 1	ı	1	1	1	0.00	1 000	200	1 1	0.00	1	1	1
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ATURE	==	Lowest.	20.	6.87	36.7	i	30.2	38.6	39.5	32.0	,	ı	58.6	1	8.67	,	8.62	ı	1	31.9	1	1 1	1	ł	ł	1	29.2	1 0.00	0 00	1 !	30.0	1	ı	1
NG A WH		Fahrenheit Lowest.	19.	65.6	62.5	1		63.4	62.5	9.29	1	ŧ	8.69	1	64.2		0.40	I	1	2.T9	1	9 1	ś	1	ı	ı	61.2	0.10	0 70	1 1	0.09	ı	1	-
1000, nding -	a satha,	From Diseases in Cols. 6–12.	18.	2.1	9.1	2.3	8.0	1.3	4.1	1:1	1.7	1.0	6.7	1.9	1.4	1:5	© ©	0.2	2.2	ر دو دو دو دو	ا ش ن	4.8	2.12	2.8	4.2	4.0	2.0	1 0	0 0	4.0	. i.	2.1	5.4	1:8
per 100	to the Week's Deathe	From All Causes.	17.	0.61	18.0	18.4	8.6	13.1	15.9	23.7	15.3	13.6	19.4	19.5	11.5	9.91	12.6	 10.8	16.8	28.4	18.3	23.6	17.3	19.4	19.7	9.87	9.21	16.0	0.01	19.3	6.91	20.1	0.12	20.3
0		Uncertified Causes of Dea	16.	48	4	Н	1	1	1	1 1	1.	1	-	4	ŧ	H	1	1	ı	1.6	1 1	م ا	1	-	r- :	<b>-</b>	62	ı	ı	1 00	2 2/1	က	1	1
		Deaths in Public Institutions	15.	994	258	18	7	01 :	⊒ <sup>1</sup> ′	24	20	1	4	32	4	9	16	e.1	1-	100	r- i	99.	] ∞	4	07 (	···	4	ಣ ೧	ם נו	17	12	11	4	10
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nerene	Deaths from	Whooping- cough,	10.	30	9	1	1	1 =	- 1	-	-	1	1	1	1	1	ı	j	I	∞	1 4	13 er	) i	1	.03	1	ı	1	1 0	0 1	-	1	67	-
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	ths of	Persons aged 60 Years and upwards.	5.	101	434	27	10	12	12	64	10	Ħ	1-	47	∞	18	25	<u>-</u>	6	74	J .	To 63	6	10	13	9	13	2	DT C	000	6	17	12	14
	Dea	To fants under to rest I 1886.	4.	926	318	24	00	4	E -	30	12	-	∞	58	6	13	∞	9	11	85	23 8	00	2 00	12	17	27 	10	2 06	04 6	92	8	16	16	e e e
Registered during	ct. 1899.	Влятия, реатиз.	ສນໍ	4160	1567	106	24	31	28	146	54	27	33	193	25	89	73	75	37	345	57	102	202	42	51	42	32	900	200	143	16	26	43	. 88
Register		Вівтия	21	6826	2529	200	54	51	104	192	114	54	19	360	69	117	136	09	74	019	282	1152	74	47	.59	02	48	100	000	260	167	106	98	136
	POPULATION	to the middle of the Year 1899,*	1.	11,404,408	4,546,752	300,241	127,759	123,226	190,741	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	108,401	115,162	634,212	162,221	918 944	150,772	113,081	135,154	117,622	103,464	97.721	145,062	425,389	234,270	145,613	106,552	228,625
	· CITIES	AND BOROUGHS.	Cols.	38 TOWNS - 1	LONDON	WEST HAM	CROYDON	BRIGHTON	PORTSMOUTH	BRISTOL	CARDIFF	SWANSEA	WOLVERHAMPTON	BIRMINGHAM -	NORWICH	LEICESTER	NOTTINGHAM -	DERBY	BIRKENHEAD -	LIVERPOOL	BOLTON	MANCHESTER -	OLDHAM -	BURNLEY	BLACKBURN-	FRESTON	HUDDERSFIELD -	HALIFAX	Turne Turne	SHERFIELD -	HULL	SUNDERLAND -	GATESHEAD -	NEWCASTLE -

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-SECOND Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
Total Births  Males Females	2518 1287 1231	2412 1253 1159	2562 1276 1286	2446 1230 1216	2559 1248 1311	2516 1303 1213	2629 1308 1321	2516 1261 1255	2610 1342 1268	2468 1248 1220	2655·1 1342·0 1313·1	2529 1284
TOTAL Deaths -  Males Females	1410 721 689	1741 892 849	1423 711 717	1449 783 666	1554 808 746	1336 693 633	1518 766 752	1333 706 627	1442 708 734	1497 795 703	1546·4 797·8 748·6	1567 789 778

<sup>\*</sup>The numbers in this column are the average weekly numbers in the forty-second week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS

29. 5. 12. 19. 26. 2. 9. 16. 23. 30. 7. 14. 21													
\.													Oct. 21.
TOTAL Births	2494	2577	2214	2671	2646	2532	2442	2675	2531	2399	2540	2549.	2529
TOTAL Deaths	1884	2200	2063	2208	2100	1931	1934	1643	1649	1456	1564	1637	1567
$\begin{array}{c} {\bf Ages\ at} \\ {\bf Death} \\ {\bf Position} \\ {\bf Death} \\ {\bf De$	805 223 98 161 269 264 64	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82
Deaths from— Small pox	56 5 35 19 - 13 - 350	- 60 6 44 27 - 13 - 477	54 8 26 16 - 12 - 463	48 8 33 28  11  481	52 7 29 18 - 16 - 426	34 5 29 31 - 18	33 5 24 25 - 12 - 322	17 2 22 16 18 233	17 8 42 19 - 24 - 162	15 9 44 23 - 19	21 7 55 10 - 19 - 53	20 9 56 10 - 21 - 49	26 6 60 6 - 15 - 25
All the above Diseases	490	648	600	625	21 569	507	429	317	-6 278	193	167	165	138
Dis. of Respiratory System—Phthisis—————————————————————————————————	169 112 123 82 156 462	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 76 144 541	306 203 139 79 153 558
TEMPER/.TURE OF THE AIR.  Mean	64.8 75.4 55.3	67.5 78.8 57.3	63.8 74.6 55.7	66.5 77.4 57.2	68.4 79.8 53.6	63°5 74°1 55°2	65.6 76.5 55.2	57.5 67.0 48.8	51.6 63.5 48.2	52:1 61:0 45:5	49·3 56·6 42·6	47·3 58·9 36·2	47·4 56·6 39·4
Humidity of the Air	67.	69 .	73 .	64	63 .	. 71_	70.	.73	. 68	76_	86	82	82
Rain-fall(in inches)	-0.97	0.09	0.03	0.00	0.00	0.29	0.24	0.27	0.39	1.01	0:50	0.13	0.00
Registered Sunshine (in hours)		79.7	54.9	49.4	74.8	53.4	47.5	23.5	38.3	32.5	12.2	38.9	43.3
CASES OF INFECT	Tous S	BICKNI	ESS IN	Hosp	'ITALS	AT T	HE EN	ID OF	EACH	WEE	K.		
Scarlet Fever	2667 1545 131	2704 1526 158	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	28 6 1 87 252	3003 1519 275	3217 1595 308	3408 1659 331

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; B. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkiagton Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

ABLE 4. LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the

			-	For	RTY	-SE	cco:	ND	We	ek of the Year 1899.	
	r the years		In	the day,	Wee 21st	k en Octo	ding	1899	Z	In the Week ending Saturday, 21st October 188	99.
1	ges for the 10		De	aths th	of E	Perso ges	nso	i		Deaths of Persons of the Ages	
USES OF DEATH	Averages k of the 1889-98*,		Ū	Inde	r	under 40.	under 60.	under 80.	and	CAUSES OF DEATH    Separate   CAUSES OF DEATH	and and
	Corrected 42nd Week	ALL AGES.	0-1	1-5.	5-20.	20 and und	40 and und	60 and und	80 years a upwards.	Corrected Aye 42nd Week of 42nd Week.  ALL AGES.  0-1, 1-5, 20 and under 60.	St. vears
AUSES	1546.4	1567	318	159	92	222	342	352	82	Diseases of Circulatory   129-7   139   2 1   11   16   43   5	8
l- {Vaccinated† - Unvaccinated   No Statement   es     es   sing Fever     es   sing Fever	0·1 28·2 22·1 0·3	26 6	- - 4 1	21 4	1		111111	111111	111111	Croup     -	81
nza	6.2 22.6 55.1 0.8 19.6 0.5 41.0	5 60 - 15 - 25 -	1 3 19	31 - 4	1 25 - 2 - - -	10 -	1 - 2 - 1	- 1 - 1			111844
ors	0·2 10·6 5·9 2·6	7518	5	- - - 1		1 7	1 1 -	- 2 -	- - 1	Diseases of Lymphatic System & of Ductless Glands	THE THE PERSON ASSESSED.
eral Fever Zymotic Diseases	4.9 1.2	8	-	-	<u>-</u>	-	1	-	-	Diseases of Urinary 3 43.8 59 - 2 4 11 18 22 System	Si -
h s and other Para-} al Diseases -	1.6	1	-	-	- -		1 1	-		Diseases of Generative   4.9   11   - 1   - 1   8   1	San hading me and
tion, Want of	7.0								Section Processing Control	Diseases of Locomotive \ 4.9 3 2 1 System-	The same of
st-milk } olism	9.8	2 17	2	-	-	5	10	2	-	Diseases of Integumen- tary System 8.2 11 3 2 - 2 1 3	The second second
natic Fever, unatism of Heart }  ts	11.4 2.0 2.5 3.5 71.3 25.8 20.9 169.4 16.1 13.5	8 2 3 74 16 12 203 21 12	- - - 11 3 1 6	1 - 3 - 5 3 4 7	3 5 13 2 2	_	1	1 3 32 - 18 - 4	4	VIOLENT DEATHS t (ACCIDENT.)  By Railways 2 2 2 1 2 1 2 1 2 1 2 1 2	The same of the sa
ture Birth tasis	52·5 3·9 7·7 43·5	43 6 3 58	43 6 3 -	-	-		-	28	30	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 .
exy	40.7 5.9 39.2 74.8	46 10 24 57	- 22 1	-, 2 7	2 - 3	4	17 2 - 17	21 2 - 16	5	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide 8.6 15 8 6 1 Execution	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ses of Organs of	3.2	1	-	-	-	-	-	-	-	OTHER CAUSES 56'2 59 52 5 - 1 - 1	
10 numbers 's state		-			-	-	-	-			-

ne numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5213 per cent. for increase pulation.

It those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered al men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the murder, manufactured or suicide. All such causes are classed under "accident"

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in the Work anding Schurden, 21st October 1899

SUB-DISTRICT during the Wo	eek endin	g Sat	urday	, 21s	t Oc	tobe	er, 1	899.								
,							The :	DEAT	Н8 ге	gister	ed du	ring	the W	eeki	acluu	
	Enume-			Dea	ths of				. :	Death	s fro	m				
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Snall-pox.	Measles,	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoss.	Violence,	Inquest Cases.
LONDON -	4,411,710	2,529	1,567	318	434	·	26	6	60	6		15	_	25	79	153
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS)	778,251 1,040,694 233,635 716,334 1,642,796	365 536 132 468 1,028	265 341 75 301 554	47 74 17 71 108	98 91 8 80 146	111111	1 4 1 8 12	- - 3 1	1 17 1 5 36	1 2 1 2	11111	2 2 2 1 8	11111	3 1 - 7 14	18 21 5 16 19	32 36 13 34 38
AND ASYLUMS OUTSIDE REGISTRATION LONDON*		-	21													
WEST DISTRICTS.  St. Mary Paddington $WHH$ St. John Paddington $HG$ .	90,996 33,510	46	25 15	5 1	16 4	1 1	-,	1 1	- 1		1 1				1 3	1 3
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	55 <b>1</b> 5	56 8	9	24 2	- -	-	-		-	-	1	-	-	2 -	5
North Hammersmith † H South Hammersmith † H W. & G S Fulham Wwo - W. & C.	44,638 59,561 113,781	26 23 97	11 13 44	3 4 11	2 6 14	-	- 1	1 1 1	1 1 1		-	- 1	-	3	1 - 2	2 2 5
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HE - C.	21,450 42,057 33,139	12 17 10	5 20 9	2 2 2	10 1	-	1 1 1	1 1 1		- 1	-	-		1 1 1	- 1	1 3
May Fair $W$ G. Beigrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	5 19 17 3	19 16 13 6	1 2 3 1	7 3 6 1	, i, i i	1 1 1 1	1111	1111		-	1111	, - - -	1 1 1 1	4 3 1	3 3 -
	23,050 12,048	6 8	3 2	1 -	2 -	_	-	1 1	-	-	-	1 1	-	1	-	-
NORTH DISTRICTS.  All Souls Marylebone } - W.  Rectory Marylebone W St. Mary Marylebone G. & W.  G. & W.  Christchurch Marylebone H - W	36,595 19,798 19,637 32,547	9 7 22 16	17 3 8 7	- 3 32	8 - 3 1 2		1 1 1 1	1 1 1	1			1 1 1 1		1 1 1 1	1	2 - 2 - 2
St. John Marylebone HHH - W.  Hampstead  WwHHHH  - N. & W.	32,611 75,449	27	22	4	6	-	-	-	6	-	-	_	_		3	3
Regent's Park Pancras $HH$ - W. Tottenham-court $\}$ - N. & W. Gray's Inn Lane $HHHH$ - N. Somers Town $HH$ N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	19 12 14 22 13 57	9 21 16 12 15 24	4 3 4 6 3 4	1 5 2 4 7 6	1 1 1 1 1	11111	1 1 1 1 1	1 - 1			11111		, 1 1 1 1 1 1	1 2 2 1 1	2 4 3 1 2
$ \left\{ \begin{array}{c} \text{Upper Holloway} \\ WWWWwHH} \end{array} \right\} \text{N.} \\ \text{Islington South-west}  H - \text{N.} \\ \text{Islington South-east}  - \text{N.} \\ \text{Highbury}  HH \text{N.} \end{array} $	98,273 107,365 66,549 64,577	49 71 37 30	58 33 14 15	7 11 3	20 2 2 4	1111	4 -		1 -	1 - 1	-	2		1 1 1 1	4	4 1 2 1
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$   \left\{     \begin{array}{c}       15 \\       16 \\       26 \\       28 \\       35     \end{array}   \right. $	3 7 15 18 18	- 2 6 6	33246	11111	11111	1 1	7 -	1 1 1 1 1	11111	11111		11111	1 - 2	- 2 - 1 4

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District in which it stands; H—Hospital; L—Lunatic Asylum; L—Frivate Lunatic Asylum in which pauper reseived. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. signand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth: N. River; E. East London; and K. the Kent Company.

\*See note † on first page of this Return.
† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and re-named North Hammersmith and South Hammersmith, respectively.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, JARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHŒA, VIOLENCE, &c., registered in each of Bellistrict during the Week ending Saturday, 21st October, 1899—continued.

GB-DISTRICT during the We		1	11	1			_			_	_							
				-		1	Т	he D i	ATH				ngthe	Wee	kin	lude		
	Enume-				athac	-	1			Deat	hs fr	10	1				ution	Jo E
GISTRATION SUB-DISTRICTS	Popu- lation 1896.	Total BIRTHS.	Total DRATHS	Infantsunder   Year of Age,	Personsaged 60 Years	Smail-pox.	Measles.	ScarletFever	Diphtheria	Whooping-cough.	Typhus,	Enterle (or Typhoid) Fever.	Simple Continued Fever,	Diarrhosa.	Violence	InquestCases	Deaths in Public Institutions	Uncertified Causes Death
orge Bloomsbury N. les South WH N. les North H N.	16,110 12,976 9,151	7 14 4	- 4 3	- - 1	- 1	- 1 1 7	l 1	-				1.1.1		- 1 -	1 1 1	2 -	1 1	
rtin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 +1,037	14-	6 4 -	1 1 -	1 2 -	- -,	-		-	1 1 1		1 -	-		1	2 -	5 2 -	111
rn wHHHHHH - N. mes Clerkenwell - N. bll Clerkenwell - N. bll-street N. coad HHHL - N. cross-street - N. mry - N. mry - N. mry - N. mry - N. tham - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	15 3 27 14 35 2 -	10 6 12 1 5 2 1	3 2 7 1	1 - 1	1111111	111111	1111111	1	1111111	111111	Carrina		1111111	1	1 2 2	8 - 1	1 + 1 + 1 + 1
tolph* $BH$ N. & E. legate N. with the condition of the conditio	9,762 3,299 9,591 9,059 †388	1 1 3 1 -	1 2 15 2 1	1	11		-	-	-			- 1	-	17111	111	31	12 1	+ 1 - 1 -
EAST DISTRICTS.  litch South $Hl$ - E. & N. n New Town $w$ - N. n Old Town N. rston $WH$ - N. & E.	17,975 29,575 27,645 47,163	12 19 22 34	8 19 12 24	2 1 9 3	3 11 - 9		2				1111.			- 1 -	1 2	1 2 1 5	1 9 - 8	
al Green North H - E. al Green South E. al Green East WH1 - E.	49,301 34,194 45,667	36 20 19	12 9 38	4 3 6	3 2 11		- 4		- 1	-	-	-	-	1 - 2	1	11	2 22	
fields E.&N. Ind New Town; WH - E. aan's Fields; E.	26,681 } 51,995 {	12 24 15	9 26 4	3 5 -	332	-	-		-	-	-	-	-	-	2 1 -	4 3 -	24	-
orge's North E.	39,576 7 930	25 5	11 9	2 3	-	-	1 -	-	-	-	-	-	-	-	1 -	2	8	-
rell a E.&N. ff W E.	10,434 14,954 32,917	9 7 15	11 3 9	3 - 2	2 1 2		-		2 - 1	-		-		- 2	2 -	2 -	-8	-
nd Old Town West H E. ad Old Town East - E.	111,060	{ 56 26	15 27	4 8	10	-	-	-	1	-	-	1	-	-	-	2	14	-
l E. ey wwwH E. r WW E.	41,687 69,821 57,759	40 43 29	7 35 13	3 7 3	2 11 1	-	1	_	-	- ī	-	-	-	1	4 2	11-20	18	

<sup>\*</sup> The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899. † Population in 1891, not included in the total population of the Central Districts or of London. itechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 21st October, 1899—continued.

	SUB-DISTRICT during the Wee	k ending	Satur	day,	21st	Oeto	per	, 10	) ]	conc	orowe				Man arcus		
-								TheI	EAT	HSreg	istere	d du	ring t	he We	ekin	clude	
		Enume-			Deat	hsof				De	aths	from					
	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infantsunder I Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoss.	Violence.	Inquest Cases.
l		100			- Control of the Cont										ACT METABLET A		
ı	SOUTH DISTRICTS.	70.00													MICH SHEET		
	Christehurch Southwark       W HL.&S.         St. Saviour Southwark       -         Kent-road       -         Borough-road       W H         London-road       HL         Trinity Newington       -         St. Peter Walworth       W -         St. Mary Newington       -         L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	6 15 12 17 40 30	4 4 4 10 4 6 16 9	1211-252	1 2 3 4	1111111	1 - 1	ī	1					1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1	1 3 - 1 2
и	St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	6 50 23	11 25 24	1 93 15	5 8		1 1	-	-	-	-	1 - -	-	1 - 1 - 0000000000000000000000000000000	2 1 -	3 2 -
۱	Waterloo-road <i>HH</i> - L. & S.  Lambeth Church 1st <i>H</i> - L. & S.  Lambeth Church 2nd <i>WW</i> , L. & S.  Kennington 1st <i>H</i> - S. & L.  Kennington 2nd - S. & L.  Brixton <i>w</i> - L. & S.  Norwood <i>WH</i> L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	30 15 26 27 19 54 11	17 12 35 16 6 15 7	3144241	1 1 12 7 2 2 3		1		1 2 - 3 -	111111	-	1			1 2 - 1 - 1 1	1 2 1 1 1 1
OCCUPATION NAMED IN	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	51 56 33 37 12 34	16 30 9 11 8 23	8 - 4	2 9 4 2 3 3	1 1 1 1 1 1 1	2 - 1	- - - 1	1 1 10	11111	11111	2	11111	1	2 2	2 4
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	52 51 46	55 31 11	- 9 15 3	1 18 8 3	1 1 1 1	3	11,11	1 -	1111		- 1	1111	- 2	- 2 1	3 2 1
A COMPANY WATER OF THE PERSON	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	28 26 16 16 27	8 17 4 3 33	4 -	1 2 2 1 14	11111	1111	1 -	6 -	1111	1	11111	11111	2 - 1	- - - 1	1 - 3
	Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 6 26 15	7 22 4	3	5 4 1	I I I I I		1111	3 -	ī -		3 -	1111	- - 1		1111
Name of Street, or other Persons	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	15 13	12 8 3 4 14		1 3	T T T T T T			6 -	1 -			1111	- 1 -	1	- - 1 1
	Banstead Asylum				3 -	1 1 1 1	Value Constitution of Constitu	-	1	11111				11.11.11.11.11	1111111111111	Opposite the Control of the Control	11111111111

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, ospitals, and Asylums).—Area; Population; Births and Deaths registered during the Week ding Saturday, 21st October, 1899.

						the		e DE	ATHS				Weel	incl	ide		
	Area	Enume-	za.	IS.	Dea	the of	-1	1	1	Deatl	hs fro	m	1	E		0	GB
REGISTRATION SUB-DISTRICTS	in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever,	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
DON-OUTER RING -	368,749	1,422,063	1,129	482	124	147	-	7	2	10	4	9	9	22	38	70	5
Carshalton wHH Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	. 9 4	7 4	1 1	2 3	11-1	-	-	1 -	-	-	_	1	1	1	1
Godstone, part of* W -	2,754	1,598	4.	-	-	-	-	-	-	-	_	-	_	_	_	_	_
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	64 17	29 7	8	11 2	-	1	-	ī	-	· _	1	2 2	3.	2	-
	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	20 21 2 7 6	7 17 3 3 5	1 2 - 1	3 7 2 - 1		-	1111	1	11111	1	11111	1 1 1 1 1		10	
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	8	5 3	1	$\frac{2}{1}$	- -	-	-	-	-	-	1	-	-	4	-
Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	12 12 9	5 7 9		3 2 4					-	-	-	-	-	- 1 4	
Bexley HHH	12,540	<b>30,</b> 590	34	10 1	6 -	3	-	-		-	-	-	-	-	-	- 1	-
Sunbury w Staines WH	11,054 13,277	13,671 13,221	17 9	4 3	1	2	- :	-	-	-	-	-	-	-	-	2	_
Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	4 5 12	8 -	3	$\frac{2}{\tilde{1}}$			· _	-	-			1	1	2 -	-
Isleworth $WHH$ Twickenham $HH$ Brentford $HHHH$ Chiswick $^{\prime\prime}$ - Acton $wHH$ $^{\prime\prime}$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	21 8 22 25 17	11 3 10 8 6	1 3 1	6 - 3 3 2			1 1 1 1 1	1111	ī - 1		1111	11111		4	11111
Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	17 - 57 16	2 1 21 6	- 1 8 4	- 3 1	1 1 1 1		- 1	- 1 -		1 -	-		1111	11	1
South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	6,367 14,152 25,820	1 8 15	2 2 2	ĩ	1 1 1	-	-	-	-	-	-	- - -		-	1	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	33 92 35 18 2 4	17 34 22 9 1	4 10 9 3 -	8 11 6 3 1	11111	1		1		1	111	1 3 1	1 8 1	28	1 1
Hatfield, part of* W Bushey H Natford WH, part of* -	3,306 9,331	582 7,737	3	1	-	1.	-	-	_	-	-	-	-	-	-	-	-
tratford H	3,266 4,334 6,501 11,779	38,612 59,030 54,750 53,511 32,713 70,188 57,330 12,941	28 74 65 33 62 73 72 5	18 24 37 16 21 32 20 2	6 7 11 13 5 5 1	3 5 6 9 3 10 3		212	1	1 1 - 2 - 2		1 2 2 - 1 - 1 1	3 - 2	2 2 4 1 1 1 1 1 -	3343121	3 2 2 14 2	1
comford, part of * WH - liord	6,556 8,493 3,814	4,324 10,913 14,301	6 15 15	1 8 4 1	1 1	1 2 1	111	111	11111			-		-	<u>-</u>	1 -	
Islington.  E. Fever Hospital, Tottenham.	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-

arts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring loss: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham jet, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst it, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 1: 188: 1 the carrier of the parish of Epping 20: 188: 1 the carrier of the par

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of Mortality during the week ending Saturday. 21st October, 1899.

			ANNITA	L RATE			The DE	ATH	s regi	stered	in th	e We	k inc	lude	
Was a newstand a majorism to the first	Area	Population estimated	of MOR	TALITY living.	DEATHS	Deat	hs of			. :	Death	s from	n _		
GREATER LONDON.	Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever,	Diphtheria.	Whooping-	Fever.	Diarrhoss.	
Cols	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	1
GREATER LONDON	443,421	6,528,434	16.4	1.4	2049	442	581	-	33	8	70	10	24	34	10
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	18·0 12·7	1.6 1.1	1567 482	318 124	434 147	- -	26 7	6 2	60 10	6 4	15 9	25 9	1

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalent area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW. DUBLIN and in certain Foreign Cities.

		а	and 1	n certain	FOREIGN	CITIES.						
( "							DEA	THS	FROM	PRIN	CIPAI SES.	. Zy
	POPULATION (enumerated	DATE OF RETU	RN.	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE	DOX.	es.	et r.	eria	ing-	er.
CITIES	or estimated).	Week end	ing	Exclusive	f Stillborn	per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
EDINDUPCH -	298,927	Oct.	21	164	103	18.0	-	_	1	_	-	
EDINBURGI	733,903	99	21	475	266	18.9	-	12	4	2	2	
GLASGOW	349,594	17	21	188	250	37:3	-	52	1	2	1	
	466,460	Sept.	16		226	25.2	_	- 1	-	-	-	7
CALCUTTA -	821,764	,,,	26	222	623	39.4	5	10	?	3	3	16
BOMBAY	452,518	53	15	419	341	39.1	1	3	?	?	?	8
	2,511,629	Oct.	14	1123	864	17:8	_	4	1	2*	3	2
PARIS	£61,137	,,	14	226	180	16.7	-	_	-	_	1	
DRUSSELLS		, ,,	7	297	124	12.4		_	_	_	3	
AMSTERDAM -	517,595	57	7	291	103	16.9	_	_	2	1	_	
ROTTERDAM -	200.005	11	7	118	56	14.6	-	_	_	2	3	
THE HAGUE -		11			91	13.6			2	1	1	
COPENHAGEN -	0.0,	59	14 7	232	83	14.8				4*		
STOCKHOLM -		31	14	105	47	11:0	_		1		_	-
CHRISTIANIA -	221,255	99-						7	9	คร	4	2
ST. PETERSBURG		23	7	514	447	20.6	-	7	9	23 8	1	-
Moscow	988,610	**	7	-	442	23.3	1	- '		0	1	
BERLIN	1,818,517	Sept.	30	-	-	-	-	-	-	-		-
HAMBURG	010,000	Oct.	14		184	14.2	-	-	-	6*	1	
DRESDEN		Sept.	23	-	147	19'3	-	1	-		4	
BRESLAU	. 100,012	Oct.	14	-	164	21.1	-	_	_	1	4	
MUNICH	445,000	. 22	14	-		_	-		l -			
VIENNA	1,623,134	22	7	865	519	16.5	-	4	6	2*	5 2	
110000	- 384,622	"	7	190	150	20.3	-	-	3	4	1	
BUDA-PESTH -	0004.22	1 11	7	438	267	20.8	-	_	7 3	3	1	
TRIESTE	166,599	Sept.	30	98	73	22.2	-		3		-	
ROME	- 508,779	53	23	235	137	14.0	-	-	-	-	-	
TURIN (10 days)		Aug.	20	188	147	15⁺ở	-	1	-	-	_	
VENICE -	- 172,288	Sept.	30	80	58	_	-		-	3*		
CAIRO -	- 570,062	Aug.	12	458	454	41.4	-	21	-	8*		]
ALEXANDRIA -	- 319,766	. 35	12	198	193	31.4	2	-	-	1*	1	
NEW YORK (including	3,550,053	Sept.	16	1611	1121	16.2	-	6	4	15	10	:
BROOKLYN) PHILADELPHIA	1,266,832	93	30	-	364	15.0	-	-	-	14	5	
				18		(	1	1		1		

\* Including deaths from croup.

† Including 33 deaths from plague in Calcutta, 82 in Rombay, and 2 in Alexandria.

-	-			_	_	_						-									
	Ozone		-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1 35		ns of	cars the	oum The	bles.	and and eter.	eter.	lent,	tho
in 8	whose receiving	surfaceis 5inches above the Ground.		in. 0.00	0.00	0.00	0.00	00 0	0.00	0.00	Sum 0.00	25		The means of the wet bulb	correct wenty y 868 for	momete minin mn 8).	m the n rical Ta bservat	moven ing 1875 iigher,"	ectrom	nstrum	of the w n the 19
	on's.	Depar- ture from Average of 16 Years.		Miles, +101	1 33	- 92	-104	. 142	-163	-212	Sum -635	40.		an leve 1. P.M. T and th	ation of ng the br nding 1	lb ther um and air (colu	nced fro gromet: nof the	rizontal sars end cates" /	ak; m.	nshineI	nning o A.M. o a. by the
	Robinson's.	Horizontal Movement of the Air on each Day.		Miles. 357	236	170	160	124	104	90	Sum 1207	1 8	nidnight.	sea leve sea leve .,and 9h	e applica de duri years e	adry bu maxim reofthe	sher's Hy iscussion	the 16 year the 16	lf-registe w.we	tokes Su	the beg 1. by 10h to 30'25 i
-	9	Mean of 24 hourly obs.	-	lbs. 0:7	0.5	0.0	0.0	0.0	0.0	0.0	<u>'</u>   :	i i	ntton	uce to	by thedese the weaty	of the of the eratu	nidity y Glai om ad	and th ds for ind th heind	n's se ative	bell-S	111. at 10.26 in eased
	Pressure on the Square Foot.	Least. h	-	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	1 =	idnigi	to red	values recorthe	ading ngs f temp	of hu sters b ivedfr	r 1890, orecor in m	nomso I. neg	Camp	d to a
	Pressi	Great.		lbs.   6.3	.1.8	1.4	9.1	1.0	1.0	0.1	:	5	rom m	adings A.M.; n	daily raphi uring	an reg readi	degree rmom atder	ending metri borne orrecte	rom T	m the	ed iro
Osler's.	irection.	P,M,		ы́	E. & ESE.	pi pi	E. & ESE.	pi	ENE & E.	SW. &		16	lyil day, or f	aken atgh.	Into mean fthe photogeter, and d	With the corrected mean reading of the dry bulb thermometer is corrected mean of the readings of the maximum and minimum primit the mean daily value of temperature of the air (column 8). The	erature and wet bulb the of the air istle	the 50 years of the anemo 24 it will be 5.	d. is derived f s:—P. positi	derived fro	he 16th; in P.M. on the 20
water a real program of the real program of th	General Direction.	А.М.		ENE. E.	SEESE E.E.	臣	E, ESE.	# NET	ENE.	E., variable & calm.	田	18	The results apply to the civil day, or from midnightto midnight.	The argument are cased to the readings to reduce to sea job with the mean toyer of the readings to reduce to sea joyel.  Observations are usually taken at \$\text{s}\tau, \text{non} \cdot 3\text{h}\tau, \text{and \$\text{9}\tau}. The means of the eye-readings of the barometer, the dry built thermometer, and the wet built built are the content of the c			mean usury dew point temperature and degree of humidity are deduced from the mean taily values of the dry and wet bulb thermometers by dlaisher's Hygrometrical Tables. The average temperature of the air is that degree dry an adjactisation of the observations	ander at the surfrom a discussion of the arrest and that of horizontal movement of the surfrom a discussion of the arrest for the 16 years ending 1875.  In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and - "Jouen," than the sverage.  The valuesgiven in column 17 are not corrected for the index error of the thermometer.	which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	The regarding of the parometer decreased from 30'44 in, at the beginning of the week to 28'74 in, by 3h. P.M. on the 18th; increased to 30'78 in, by 10h. A.M. on the 19th; decreased to 30'14 in, by 4h. P.M. on the 20th; and increased to 30'74 in, by the end of the
	Of the Earth	3 feet below the Surface.		53.51	53.17	52.90	52.75	52.60	52.41	52.23	52.79	17	esults a	vations	meter,a lirom a 1873 fo	combined the thermometers, f	ully dew dues of verage to	ir from ding co	sannot b scord o mbols e	umbers le aggre	in, by sed to 30.
0.4	Radiation	Lowest on the Grass.		28:9	32.9	30.6	29.1	55.0	28.0	30.8	28.9	16	Ther	no corredo Obsertine oye	deduce ending	combin	daily ve	of the a Inrea - "low The v	which or The rate The Sy The Sy strong	Then show th	to 29.74 decreas
		Highest in Sun's Rays.		107.0	91.6	104.0	103.0	93.4	7.46	46.9	91.6	15		ats of	noon.	rhout.	very	very P.M.;	tially Jpper elion,	day.	
Degree	midity (Satu-	ration equals 100).		29	78	75	80	85	98	100	88	14	SO.	amounts	after	throughout. llh. 30m. P.M.	ss and wards	A M.; II 9h.	nd par ght. U	at the	
rature	re.	Least.		2.2	2.1	0.0	0.0	0.0	0.0	0.0	Ξ	13	MARK	small	udy ir	less nt at 1	sloudle g after	less ti	fine a at nigo, with	ougno	
the Air Temperature	mperatu	Great-		15.0	12.2	15.0	15.8	2.21	1.91	2.1	13.5	127	GENERAL REMARKS.	with n mor	ly; elc	cloudless revalent at	ning;	ent til	fogsy ar hal	on. nt thr	
	1	Mean daily value.		9.01	9.9	9.2	5.8	4.3	3.0	0.0	5.2	11	NERA	day,	enerall	and ame p	M.; th	preval erally ards.	P.M.;	fterno	
of the	point.	Mean daily value.		30.6	42.3	42.8	43.5	42.1	42.5	43.4	41.8	101	GE	very fine day, with small d. Hoar frest in morning.	Very fine generally; cloudy in afternoon	Very fine	e fog in	e fog id gen lfterwa	e fog t till 9h ı of faj	sserved in afternoon. Dense fog prevalent throughout the day.	
		parture from Average of 50 years.		- 27	- 1:1	8.0 +	7.0 -	6.7 -	- 2.9	F-0 -	- 2:1	6		A very fine day, with smal cloud. Hoar frost in morning.	Very	Very fine and cloudless throughout. Dense fog became prevalent at 11h, 30m. P.M.	Dense fog in morning; cloudless and fine till llh. P.M.; thick fog afterwards.	Dense fog prevalent till 11h. A.M.; very fine and generally cloudless till 9h. P.M.; foggy alterwards.	Dense fog till 10h. A.M.; fine and partially cloudy till 9h. P.M.; fogsy at night. Upper portion of feint solar halo, with parhelion,	observed in afternoon. Dense fog prevalent	
Liv		Mean daily value.		47.2	48.7	50.4	49.3	46.4	46.1	43.4	47.4	0	n above prizon, hours.	10.1	9.01	10.5	10.5	10.4	10.4	10.3	Sum 73.4
OfthaAir	7	Daily Range.	-	14.0	15.6	17.9	25.5	21:3	21.8	4.0	17.2	1	Registered Sun above Sunshine Horizon, in hours, in hours.	1							
	-	Low- est	-		40.2	42.1	36.7	37.0	38.1	42.0	39.4	9	Registe Sunsh in hou	0.6	0.2	1.6	9.8	5.4	4.5	0.0	Sum 43:3
		High-		10	56.3	0.09	62.3	58.3	29.3	46.0	26.6	2	r. 1 of te.)	A.M.; after-	A.M.; after-	A.M.; after-	ly -	h. A.M.; ster till P. till P. after-	- II	out -	
Mean	reading (cor-	and re- duced to 32° Fahren- heit).		29.955	29.764	29.945	30.190	30.224	30.190	30.232	30-071	4	ELECTRICITY, (For explanation of symbols, see Note,)	till 5h.	till 10h.	wards. w. P. till 9h. A.M.; m. P. generally after-	generally	m. P. till 2h. A.M.; Loss of Register till noon; m. P. till 5h. P.M.; w. P. after-	wards. m. P. generally	w. P. throughout	
Dhago	ofthe	Moon.		:	In Eqr.	nasiro T	Full	:	:	:		3	(For e	m. P. gc	wards, w. P. till 10h. A.M.; nn. P. generally after-	W. P. W. P. W. P. W. P. W. P. W. P. W. P. W. W. P. W. W. W. W. W. W. W. W. W. W. W. W. W.	m. P.	Loss of noon; 5h. P.M.	mards. m. P.	w.P.	
		А	.:	15	16	17	18	19	20	21	1	- 0		15	16	17	18	19	20	21	
1899.		Month and Day	OCTOBER	SUNDAY -	MONDAY -	LUESDAY -	VEDNESDAY	CHURSDAY-	RIDAY -	ATURDAY-	TEANS	vo. of Column	DATE, OCTOBER.	TNDAY -	- TONDAY -	CTESDAY -	YEDNESDAY	"HURSDAY-	eRIDAY -	AATURDAY-	

decreased to 30.14 in. by 4h. P.M. on the 20th; and increased to 30.25 in. by the end of the week.

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No. of Col. -

LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
BY DARLING & SON, LTD., 1-3, GREAT ST. THOMAS APOSTLE, E.Q.

1899.

## OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 43. 1899. Vol. LX.7

WEEK ENDING SATURDAY, OCT. 28.

Price 11d.

General Register Office, Somerset House, October 30th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 21.1 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Weeks ending
Towns.	Oct.	Oct. 14.	Oct. 21.	Oct. 28.	Towns. Oct. Oct. Oct. Oct. 7, 14, 21, 28
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton -	18·1 20·4 19·3	18.6 13.6 17.2 20.1 19.9	16·8 19·5	17.7	Leicester   17.8   12.4   16.6   14. Liverpool   24.7   25.5   28.4   27. London   17.9   18.8   18.0   21. Manchester -   24.0   21.9   23.6   24. Newcastle-on-Tyne   24.2   16.6   20.3   20.
Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax -	15·2 14·6 16·6 16·3 16·7 16·7 17·1 13·9	18·2 18·4 20·8 15·2 15·5 13·2 18·1 12·8	19·6 13·1 23·7 19·4 15·2 9·8 10·8 21·0 16·0	21·0 17·8 29·7 18·9 10·1 12·7 20·6 14·4	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Huddersfield- Hull Leeds	19.4	$17.1 \\ 20.9 \\ 16.0$		14·1 19·8 22·1	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :- from measles, 1.1 in Nottingham, 1.2 in Salford, 1.4 in Sheffield, and 2·3 in Birkenhead; from scarlet fever, 1·4 in Burnley; from whooping-cough, 1·0 in Gateshead; from "fever," 1·1 in Nottingham and in Sunderland, and 1·4 in Sheffield; and from diarrhæa, 1·0 in Bristol, in Liverpool, in Salford, and in Gateshead, and 1·2 in Wolverhampton and in Manchester. The 130 deaths from diphtheria included 58 in London, 13 in Sheffield, 7 in Leeds, 6 in Portsmouth, 6 in Swansea, 6 in Birmingham, 5 in West Ham, 4 in Leicester, 3 in Liverpool, 3 in Manchester, and 3 in Blackburn. Four deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In London† 2495 BIRTHS and 1844 DEATHS were registered. Allowing for increase of population, the births were 178 below, and the deaths 304 above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

17.9, 18.8, and 18.0 in the preceding three weeks, rose again last week to 21.1. During the four weeks ending on Saturday last the death-rate averaged 19.0 per 1000, being 1.7 per 1000 above the mean rate in the corresponding

periods of the ten years 1889-98.

The 1844 deaths included 34 from measles, 14 from scarlet fever, 58 from diphtheria, 10 from whooping-cough, 40 from enteric fever, 17 from diarrhea and dysentery, 1 from choleraic diarrhea, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 174 deaths were referred to these diseases, being 4 below the corrected average

weekly number.

The deaths from measles, which had been 21, 20, and 26 in the preceding three weeks, further rose last week to 34, and were 2 above the corrected average; 6 cases belonged to Wandsworth, 5 to Bethnal Green, and 4 to Battersea sanitary areas. The deaths from scarlet fever, which had been 7, 9, and 6 in the preceding three weeks, rose again last week to 14, but were 9 below the corrected average; 3 cases belonged to Camberwell The deaths from diphtheria, which had been 55, 56, sanitary area. and 60 in the preceding three weeks, fell again last week to 58, but were 5 above the corrected average; 6 cases belonged to St. Pancras, 5 to Lambeth, 4 to St. George Southwark, 4 to Camberwell, 3 to Newington, 3 to Bermondsey, 3 to Rotherhithe, 3 to Kensington, 3 to Bethnal Green, and 3 to Poplar sanitary areas. The deaths from whooping-cough, which had been 10, 10, and 6 in the preceding three weeks, rose again last week to 10, but were 11 below the corrected average. The fatal cases of enteric fever, which had been 19, 21, and 15 in the preceding three weeks, rose again last week to 40, which is the highest number registered in any week since November 1881, and is 22 above the corrected average; 6 cases belonged to Hackney, 4 to Limehouse, 4 to Battersea, 3 to St. Marylebone, and 3 to Shoreditch sanitary The deaths from diarrhea, which had been 53, 49, and 25 in the preceding three weeks, further fell last week to 17, and were 12 below the corrected average. Of the 17 deaths from diarrhea, 16 were of children under 5 years of age; 19 more deaths at this age-period were described as due to gastro-enteritis. The deaths referred to diseases of the respiratory organs, which had been 215, 275, and 306 in the preceding three weeks, further rose last week to 478, and were 160 above the corrected average. The deaths attributed directly to influenza numbered 18, having been 5, 13, and 5 in the preceding three weeks.

Different forms of violence caused 63 deaths, concerning all but 1 of which inquests were held. Of these 63 deaths, 5 were cases of suicide, and 1 of homicide, while the remaining 57 were attributed to accident or negligence. Nine of these were referred to vehicles in the streets, 4 to burns and scalds, 5 to drowning, and 12 (of infants under one year of age),

to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3504 cases of scarlet fever, 1700 of diphtheria, and 342 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 414 cases, against 461, 455, and 447; of diphtheria, 259 cases, against 245, 271, and 269; and of enteric fever, 44 cases, against 68, 70, and 50.

GREATER LONDON.

In Greater London 3,468 births and 2,342 deaths were registered, corresponding to annual rates of 27.7 and 18.7 per 1000 of the estimated population. In the Outer Ring 7 deaths from measles, 2 from scarlet fever, 13 from diphtheria, 3 from whooping cough, 20 from "fever," and 13 from diarrhea were registered. Five deaths from measles, 6 from diphtheria, and 9 from "fever" occurred in West Ham District.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.95 inches, and that of the Thermometer 51.8; the latter being 4.0 above the week's average in the 50 years 1841-90. The direction of the wind was south-westerly, the horizontal movement of the air being 29 per cent, below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 7.8 hours; the measured rainfall amounted to 1.30 inches.

The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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	CITIES	AND BOROUGHS		Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROVDON	BRIGHTON	PORTSMOUTH	PLYMOTTHE	BRISTOI.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM	NORWICH.	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL,	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	Pr Agrama	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
FALL.	Ì	-itusO .astten	ul	24.	2.13	3.30	1	2.79	0.84	1.12		3.17	1	1	2.18	1	2.62	- 1	2.92	1	- 1	1.98	1	1	t	1 1	,	1	1.63	1	1.19	1	1	1.78	1	t	1
RAINFALL		евфор	ıı uı	23.	0.84	7.30	1	1.10	0.33	0.44	1	1.25	+	1	0.89	ı	1.03	1	1.15	1	1	0.78	1	ı	1	1 1	1	1	0.64	,	0.47	1	1	00	1	1	1
	an.	.ebargi	Cent	22.	10.00	11.00	)	10.67	12.28	12.33	1	00.01	1	1	8.44	1	9.58	1	90.8	ı	ı	68.6	1	ı	1	1 )	1	1	8.80	1	90.6	ı	1	9.58	1	1	1
;	Mean,	senheit.	Eshr	23.	20.0	8.15	1	51.5	54.1	54.5	1	6.09	1	1	47.2	. 1	48.7	1	46.5	1	1	49.8	t	1	ł	1 (	1	1	48.0	ı	48.3	1	1	48.7	1	1	
-		Lowest	heit.	20.	31.8	37.3	. 1	35.0	38.4	2.07	1	35.0	1	ı	34.0	1	32.0	1	37.3	1	ı	40.3	ı	1	1	1 1	1	1	31.8	1	37.0	1	1	38.0	1	1	1
-	٠,	Highem	Fahrenheit.	19.	0.79	63.6	1	64:0	63.5	64.0	1	63.0	!	ı	57.5	. ,	60.2	1	2.99	1	1	0.69	1	ı	ſ	1 1	1	1	0.69	1	8.69	, 1	1	0.19	1	1	1
the the	eaths.	rom sases in s. 6–12.	Dise Col	18.	10	0.6	0 00	0.6	ά	9.6	0.2	1.9	0.3	4.5	5.3	1,00	6.0	2.4	3.5	0.2	3.6	3.0	9.0	2.0	9.6	4 ×	0 00 0 01	7.0	1.0	0.0	1.3	5.3	5.6	4.5	25.0	2.0	1.8
correspo	Week's Deaths.	IIA me		17.	21.12	1.16	18:0	19.7	17.8	19.1	14.0	29.7	1.01	21.1	19.4	20.2	13.4	14.9	9.61	13.7	22.5	27.7	19.0	24.4	24.8	18.0	17-7	18.6	14.1	14.4	0.12	22.1	27.3	19.8	23.3	9.02	8.07
1		Incertifies see of De		16.	92	10	22	1	!	ı	ı		1	ſ	-	9	-	1	ा	ı	-	6	ı	ì	ı	i -	1	<b>C3</b>	1	Н		ı	00	2	-	1	24
	*g	Deaths in Public noitutitan	T	15.	1022	222	12	20	6	6	20	32	က	6.7	2/1	38	9	2	18	_	∞	82	က	45	14	N C	1 1	9	27	9	19	24	28	15	12	1 7	7
		nest Cases		14.	356	184	0	4	2	00	2	12	ಣ	67	5	9	П	4	4	4	20	14	ಣ	16	4 -	4 0	1 00	0.7	1	ì	10	10	2	7	सा ,	0	20
		*өэцө	ΙοίΨ	13.	146	63	10	H	1	4	1	9	ಣ	6.1	6.3	22	1	67	-	c1	က	_	1	<u>ر</u>	, -	1 67	1 4	-	1	1	4	4	9	9	en ,	<b>-</b> •	9
		r.hosa,	Dian	12.	89	17	ଦା	-	,	27	-	9	ı	1	22	େ	-	H	က	-	1	12	63	12	4	, -	1	Г	1	ı	1	ണ	4	ಣ	6/1 (	c) .	4
	-	er.	Fev	ä	93	40	4	23	ı	33	1	-	1	-	ı	1	1	П	2	ı	62	6	1	- 1	Н			1	П	1	က	ಣ	07	П	က	1	1
s from	-	-Snigoo .dSni	GO M.P.	10.	37	10	1	-	1	П	1	52	1	1	1	ಣ	1	0.7	ı	1		23	1	ଦୀ ଦ	PT =	- I	1	1	ı	1	ı	4	1	c/1	1 0	n 1/2	-
Deaths from		acreata.	Dip	63	130	28	5	П	62	9	1	2	П	9	-	9	1	4	671	ı	1	က	1 4	က	2/3	1 1	cc	1	1	-	1	<u>-</u>	13	<b>3</b>	-	1	1
		rlet Kever	Scar	8	36	14	1	ı	ı	Н	1	1	1	ı	1	-	-	1	-	ı	1	4	1 1			୍ୟ କମ	0.7	1	1	ı	1	1	03	က		1	1
		sales,	Mea	7.	98	34	5	1	1	ı	1	_	1	2	1	9	1	22	2	1	2	9	1 0	23 1	a د	٦ –	1	1	н	1	0.3	0.7	10	4	1	1 0	5
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aths of		sons aged 0 Years dupwards	Per 6 8 nd	5.	1149	487	28	11	11	20	7	74	7	7	4	44	10	22	27	12	13	99	28	43	ς, α	) II	10	6	12	<u>о</u>	20	44	ec :	7	20 0	2 8	50
Dea	1	Ants under Year of Age,	IuI	4.	1092	376	27	7	6	13	2	37	10	13	П	64	6	14	22	<u>-</u>	0.	96	8 2	56	0,7	11	13	13	5	03	19	41	44	30	75	07	DQ
a anring s ending c. 1899.		DEATHS.		200	4623	1844	109	31	42	70	22	183	36	42	33	202	29	19	06	26	49	337	50	200	10±	41	46	42	28	22	95	180	687	G 1	65	42	10
the Week ending 28th Oct. 1899.		BIBTHS, DEATHS.		ri	6545	2495	165	62	51	58	22	164	86	36	72	344	09	130	127	20	62	438	S 62	199	162	99	1.6	288	41	- 51	112	263	583	138	9,6	197	101
POPULATION	estimated	middle of the Year 1899.*		1,	8	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	718,244	113.081	135,154	117,622	103,464	97.721	236,241	423,880	361,169	234,270	145,613	106,552	020,022
				Cols.	1	1	1	1	.1	1	1	1	1	.1	TON	1	1	ı	,1	1	1	i	ì	1	1 1	1	E	1	- 0	3	1	I	1	1	I	1	`
CITTES		AND BOROUGHS,		0	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL -	BOLTON -	MANCHESTER	SALFORD	BURNLEY -	BLACKBURN-	PRESTON -	HUDDERSFIELD	HALIFAX -	BRADFORD -	LEEDS	SHEFFIELD	HULL	SUNDERLAND	NEWCASTIF	NEW CROLLE
	•																																				

Table 2. LONDON.—Births and Deaths Registered in the Forty-Third Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2580	2512	2603	2312	2590	2413	2447	2755	2540	2652	2672.8	2495
Males	1308	1252	1338	1170	1293	1232	1220	1426	1261	1369	1354·0	1261
Females	1272	1260	1265	1142	1297	1181	1227	1329	1279	1283	1318·8	1234
TOTAL <b>Deaths</b> -  Males  Females	1310	1649	1343	1514	1487	1481	1470	1450	1514	1411	1539 <sup>.</sup> 7	1844
	686	850	687	777	762	- 740	744	773	814	725	795 <sup>.</sup> 2	941
	624	799	661	737	725	- 741	726	677	700	686	744 <sup>.</sup> 5	903

<sup>\*</sup>The numbers in this column are the average weekly numbers in the forty-third week of the ten years 1889-98, raised by 5 213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

i	in Ho	SPITA	LS, in	the I	ast T	HIRTI	EEN W	VEEKS	3.				
•	Aug. 5.	Aug.	Aug. 19.	Aug. 26.	Sept.	Sept.	Sept	Sept.	Sep 30.	Oct.	Oct. 14.	Oct. 21.	Oct. 28.
Tetal Births	2577	2214	2671	2646	2532	2442	2675	2531	2399	2540	2549:	2529	2495
TOTAL Deaths	2200	2068	2208	2100	1931	1934	1643	1649	1456	1564	1637	1567	1844
$\begin{array}{c} \left\{ \begin{array}{c} \text{Under 1 year } - \\ 1-5 \text{ years } - \\ -5-20 \text{ years } - \\ \text{Death} \\ \left\{ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1049 237 99 203 310 238 64	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96
Deaths from— Small pox f Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever - Diarrhœa and Dysentery - Cholera	- 60 6 44 27 - 13 - 477 21	54 8 26 16 - 12 - 463 21	48 8 33 28 - 11 - 481	52 7 29 18 - 16 - 426 21	34 5 29 31 - 18 - 368 22	33 5 24 25 12 322 8	17 2 22 16 18 233 9	- 17 8 42 19 - 24 - 162 6	- 15 9 44 23 - 19 - 81	21 7 55 10 - 19 - 53 2	20 9 56 10 - 21 - 49	26 6 60 6 - 15 - 25	34 14 58 10 - 40 - 17
All the above Diseases	648	600	625	569	507	429	317	278	193	167	165	138	174
Dis. of Respiratory System-Phthisis	157 145 110 91 161 521	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 76 144 541	306 203 139 79 153 558	478 203 173 68 184 577
TEMPERATURE OF THE AIR.		_											- 1
Mean	67.5 78.8 57.3	63.8 74.6 55.7	66.5 77.4 57.2	60.4 79.8 53.6	63.5 74.1 55.2	65.6 76.5 55.2	57.5 67.0 48.8	54.6 63.5 48.2	52·1 61·0 45·5	49·3 56·6 42·6	47:3 58:9 36:2	47·4 56·6 39·4	51.8 57.4 45.9
Humidity of the Air	69	73	64	63	71	70	73	68	76	86	82	82	90
Rain-fall (in inches)	0.09	0.03	0.00	0.00	0.29	0.54	0.27	0.36	1.01	0.20	0.12	0.00	1.30
Registered Sunshine (in hours)	79.7	54.9	49.4	74.8	53.4	47.5	23.5	38.3	32.5	12.2	38.9	43.3	7.8
CASES OF INFECT	rious	SICKN	ESS IN	Hosi	PITALS	* AT 1	HE E	ND OF	EACH	WEE	K.		
Small-pox Scarlot Fever	2704 1526 158	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	2886 1487 252	3003 1519 275	3217 1595 308	3408 1659 331	3504 1700 342

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See Table 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Ešq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; A. Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., L.L.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the ABLE 4. FORTY-THIRD Week of the Year 1899.

	r the years		In Satur	the day,	Wee 28th	k en Octo	ding	1899	9.		the		Satu	In t	he W	Teek	endi: tobe	ng r 189	9.
	ges for the 10		De	aths	of F		nso	Î			for 10	-		Deat	hs of	Per Age	sons	of	
USES OF DEATH	Averages ek of the 1889-98*.	* SS 553	τ	Inde	r	under 40.	under 60.	under 80.	and .	CAUSES OF DEATH	Averages k of the 1889-98*,			Une 20		under 40.	er 60.	er 80.	1
	Corrected A	ALL AGES	0-1	1-5.	5-20.	20 and un	40 and un	60 and un	80 years a	, , , , ,	Corrected 43rd Week	ALL AGES.	0-1	1-5.	5-20.	ld.	40 and under 60,	60 and under	00
USES	1539.7	1844	376	203	118	269	391	391	96	Diseases of Circulatory } System }	136'4	173		7 2	17	24	57	58	3
Vaccinated - Unvaccinated No Statement Fever ing Fever	0.52 0.11 31.9 23.11 0.1	34 14	- - 10 2 -	20 6 -	34-	2	- - - -	1111111	111111	Croup Bronchitis Pneumonia Other Diseases of Res- piratory System	5.5 174.4 108.4 5.3 24.4	267 161 4 42	4	3 8 24 0 42 - 2 3	1166-4	915 - 3	44 36 3 14	18	
za	6·1 20·5 53·4 0·9 18·2 0·2 29·0 0·1 0·1	18 10 58 - 40 1 17 -	1 3 - 1 12 -	9 31 - - 4 -	-	8	4 5	4 1 - 1 - 1 - 1	1111111	Dentition Quinsy, Sore Throat - Enteritis - } Gastro-enteritis - } Peritonitis Diseases of Liver - Other Diseases of Digestive System }	6·1 2·4 19·0 { 5·4 25·1 30·0	5 2 14 20 2 29 32	10	-	1	1 2 1 3 6	2 - 1 12 8	- - 2 - 13 5	
x and Effects of ation }	0°1 0°2 8°9 6°8	- - 7 9	5 4	-		1	1 3	1	- -, -	Diseases of Lymphatic System & of Duetless Glands	1.7	3			1	1	1	-	Lucy Second
a and Septicæmia ral Fever – – ymotic Diseases	2:0 6:4 1:6	3 8 1	-	-	-		ī	1	1	Diseases of Urinary }	42.7	54	-	2	3	10	21	15	. C.D.
and other Para-}	0·5 0·1	I I I I I I I I I I I I I I I I I I I	-	-	-	-		-	-	Diseases of Generative } System	5·9 6·1	12			-	3 2	6	3	Jan Sandar
on, Want of }	1.9	2	2							Diseases of Locomotive } System }	4.4	11	-	1	3	3	2	2	The state of the state of
-milk )	10.5	17	-	- 1	- 1	8	- 3	1	-	Diseases of Integumen- tary System-	7.0	4	3		-	-	1	-	and have a
atic Fever, natism of Heart ttism cesenterica lar Meningitis - Constitutional es	9·0 1·6 2·7 4·0 71·8 25·8 17·6 158·9 16·5 14·8	15 5 73 18 11 203 21 16	- 1 - 8 4 2 7	4	1 2 3	2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	3   1 5   41 1   17	7	- 1 4 - 1	VIOLENT DEATHS.;  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning)	49.7 {	192 4		1	1 - 1	1 3 2	-5		I want of the last of the last of the last
re Birth sis	48.7 4.6 8.7 39.5	60 5 9 62	60 7	1 ]		-   -	-   -	-	2 3	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		5 12 2 22	12 - 2	- 2	-	4 - 3	2 6	7	1
ons	7.4 38.6	41 27 65	22 5	5 - 8 5	1 1 8	-	1		3 - 4	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	0.9 7.0	1 5 -	-		1	1	2	2	The second
of Organs of }	3.1	To .		1 3	1		-			OTHER CAUSES	56.9		48	3	1		-	2	7

ation.

those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the death is not certified by a registered practitioner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of murder, manslaughter or suicide. All such causes are classed under "accident."

FABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEA SCARLET FEVER, DIPHTHEBIA, WHOOPING-COUGH, FEVER DIARRHŒA, VIOLENCE, &c., registered in

SUB-DISTRICT during the We	ek ending	g Satu	ırday,	28t]	n Oc	tobe	r, 1	399.						***************************************			
				and the control of			Thel	DEAT	HS re	gister	ed dr	ring t	he W	eekir	elud	8	
	Enume-			Dea	thsof		-		1	Death	s fro	m				-	ntions
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATES.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough,	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhoss.	Violence,	Inquest Cases,	Deathsin PublicInstitutions
LONDON -	4,411,710	2,495	1,844	376	487	- Inches	34	14	58	10		40		17	63	184	577
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	378 515 140 523 939	295 379 110 352 683 25	48 71 18 75 164	87 111 18 93 169 9	-	2 2 9 21 -	2 7 1 3 1	11 8 1 6 32	2 - 1 3 4 -		7 12 3 6 12 -		3 4 1 9	13 11 4 14 21	35 30 7 55 57	105 118 42 115 172 25
WEST DISTRICTS.  St. Mary Paddington $H$ G. & W. St. John Paddington $H$ - G.	90,996 33,510	45	27 13	2 -	11 4	-	-	-		1 1		-	-	7	1 -	1 2	4 7
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	64 9	50 18	94	20	- \	-		-	1 1	-	1	-	1	3	5	24 5
North Hammersmith $\dagger H$ W. & G South Hammersmith $\dagger H$ W. & C. Fulham $Ww$ W. & C.	44,638 59,561 113,781	29 32 85	9 22 48	1 8 14	2 7 8			- 2	- 1 7	- 1		111	-	-	1 2	2 2 5	) - 3 16
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	10 25 13	25 14	- 1 -	3 7 7		- - 1		111	1 1		- 1		2 -	4	- 2 4	17
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	5 19 23 4	11 28 11 4	1 2 4 -	3 4 1 3	1111	1	1111	2	ī -	1111	1 1 -		1 1 1 1	2	5	10 16 -
$\left\{ egin{array}{ll} { m St. James Westminster} \\ { m W}H \\ { m St. Anne Soho} & HHHHHH - { m N}. \end{array}  ight.$	23,050 12,048	4 6	6 4	1 1	3 1	-	-	1 1	1	-	-	-	-		-	2	1
NORTH DISTRICTS.  All Souls Marylebone   - W.  Rectory Marylebone W G. & W.  St. Mary Marylebone   G. & W.  Christchurch Marylebone H - W.  St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	13 8 22 11 18	14 4 12 10 6	- 1 3 1	2 3 2 3 2	1 1 1 1	1 1 1	1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1	2	-	1	1 1 1 -	2 - 2 3 -	6 - 2 -
$\left\{ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} \right\} - \text{N.\&W.}$	75,449	31	21	-	5		-	4	4	-	-	2	-	-		-	15
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	14 8 5 23 4 53	8 12 15 15 18 35	3 - 3 1 3 5	3 1 3 2 9 12	1 1 1 1 1	11111	1111	1 - 1	11111		11111	1 1 1 1 1	1	- 2221	1 2 1334	9 1 8 12 16
$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWWwHH} \\ \text{Islington South-west}  H & - \text{ N.} \\ \text{Islington South-6ast}  - & \text{ N.} \\ \text{Highbury}  HH & - & - & \text{ N.} \\ \end{array} \right. $	98,273 107,365 66,549 64,577	39 71 39 30	57 39 24 22	8 12 9 5	23 6 4 11	1 1 1	T111	- 21 -	1	111	1 1 1 1	1	-	- 1 - 1	1	2 3 -	28 2 - 1
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$     \begin{cases}       7 \\       13 \\       26 \\       43 \\       37     \end{cases} $	8 11 14 16 18	- 2 5 8 2	6 4 2 1 7	1111	11111	1	ī 1	11111	1 1 1 1	1 3 1 1	7 1 1 1 1	1111	- - 1	3	8 0 0 0 1

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Distriction than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Frivate Lunatic Asylum in which paupers to situated. The Roman capitals signify the Water Companies which supply the different Sub-districts; G. significand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth: N. N. Never; E. East London; and K. the Kent Company.

See note † on first page of this Return.
† The Sub-Districts of St. Paul Hummersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and we re-named North Hammersmith and South Hammersmith, respectively.

6. LONDON.—Population; Births; Deaths from All Causes, and from SMALL-pox, Measles, Blet Fever, Diphtheria, Whooping-Cough. Fever, Diarrhea, Violence, &c., registered in each District during the Week ending Saturday, 28th October, 1899—continued.

-District during the we	ek endin	g Satı	ırday,	, 28t	h O	etob	er,	1899	c	onti	nuec	<i>t</i> . '		,				
		The second secon		_			T	he Di	SATH	Sreg	istere	d duri	ngth	e We	ekir	ıclud	e	
	Enume-				aths o	-				Dea	ths fr	om				1	- tono	of
STRATION SUB-DISTRICTS	Popu- lation, 1896,	Total BIRTHS,	Total DEATHS	Infantsunder 1 Year of Age,	Personsaged 60 Years	Smail-pox.	Measles,	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid)	Simple Continued	Distribus.	Violent	Violence	Deaths in Public Institution	Uncertified Causes
ENTRAL DISTRICTS.  ge Bloomsbury N. South $WH$ N. North $H$ N.	16,110 12,976	7 14	2 9	NORMALIST CHARLEST AND ACT OF CASE OF THE PERSON OF THE PERSON OF THE PERS	-1	Language land or an amount of the state of t	2		The state of the s					-	PCCACI CITALI INTICANCINEDANCICACIONIMI			
n-in-the-Fields $HHN$ .&C. $WHH = N$ . nion Workhouse, Edmonton	9,151 13,077 11,839 +1,037	5 5 -	8 6 -		3 1	I I I I I	1 1 1 1	-	-		-	1 -	111 111	-	1 -	-	3 4	-
WHHHHHH - N.   SCIerkenwell - N.   Clerkenwell - N.   Street - N.   Clerkenwell - N.   Street - N.   Clerkenwell - N.   Clerk	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	15 7 21 5 38 4 2	25 1 12 3 19 2 -	4 - 6 1 5	2 1 3		-	1	1	1	-	1	-	1	1	1 2	-	
lph* HH N.&E. tate N. lchre WH N. ws Barking N. ondon Asylum, Stone	9,762 3,299 9,591 9,059 †388	3 1 5 1	3 16 1	- 2	2	-	-		1000 State 1000 1000 1000	-	-	- -	-	-	2 -	3 -	12 1	
EAST DISTRICTS.  The control of the	17,975 29,575 27,645 47,163	16 19 15 32	6 19 8 30	23 - 6	- 10 2 11					-	-	- 1			1 -	1 2 - 1	9 12	
Green North H - E. Green South - E. Green East WHI - E.	49,301 34,194 45,667	40 33 21	16 11 32	4 4 7	6 2 9	-	14	-	1 -	1	-	-	-		2 -	3 1 -	- 13	
lds E.&N. i New Town; WH - E. n's Fields; E.	26,681 51,995 {	18 26 11	13 33 2	6 4 1	2 5 1		1 -		ī			2 -	-		1 3 -	3 8 -	28	1 - 1
ge's North E. St. George East W E.	<b>3</b> 9,576 7 930	38 4	21 7	8 -	3 -	-	1	-	-	1	-	-	-		-	6 3	4	-
1 H E. & N.	10,434 14,954 32,917	11 8 21	14 7 13	8 2 3	33 			-	1 -	-	-	- 1	-		1 1	1 1 2	7 -	-
Old Town West H E. Old Town East - E.	111,060	{ 44 45	12 28	3 2	10	-	-	-	-	1	-	-	-		ī	1 3	13	-
wwwH E. WW E.	41,687 69,821 57,759	21 56 44	17 43 20	1 5 6	6 14 7	-	- 1 -	-	1 1 1	-		2 -	-		- 4 -	2 11 6	1 26 2	-

<sup>\*</sup> The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.
† Population in 1891, net included in the total population of the Central Districts or of London.
chapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town SubDistrict and Goodman's Fields Sub-District

TABLE 5. LONDON.--POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, M SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered; SUB-DISTRICT during the Week ending Saturday, 28th October, 1899—continued.

SUB-DISTRICT during the Wee	ek enum	Bauu	ruay,	2001	1 00	LODE	1, 1	000-	-007							
				_			The	DEAT	HSre	gister	ed du	ring t	he W	eeki	lelud	в
	Enume-				hsof				I	eaths	fron	ı			-	
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896,	TotalBIRTHS,	Total DEATHS, '	Infantsunder I Year of Age.	Personsaged 60 Years and upwards.	Small-por.	Measles.	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhos.	Violence.	InquestCases.
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. &S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	7 9 14 17 14 31 36 18	4 2 17 14 11 15 30 13	21743582	113 - 2243	1111111	- 2 - 1	111111			1111111			1 1 1 1 1 2 1	1 - 1	1 2 1 1 2 -
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	15 59 19	16 32 33	4 11 5	2 10 9		1 3	1 1 1	- 2			1 1 1	-		1 2 2	2 4 2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	22 10 33 22 20 39 19	17 18 36 20 17 19 6	6 1 7 6 4 2 2	7 3 14 6 7 5	11111		111111	- 2	- 1 - -	1111111	1	111111	1 1	21	1 5 4 1 1
East Battersea S. West Battersea WwH S. Clapham H S. Wandsworth WHHL S. Putney S. Streatham WwwwwL L.	71,730 93,385 46,953 58,101 20,566 61,644	37 47 23 34 3 36	27 30 13 19 2 28	11 6 4 7	595423	11111	3 2 1 2 - 2		8	1	11111	- 1 - - 3		2 3	- - 2 - 1	2 1 - 6 - 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	48 43 36	1 54 17 26	- 7 1 7	20 6 3		1111	2	- 2 1 -	1111	1111	-		I I I I	3 - 2	6 - 2
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	24 29 19 15 23	8 23 6 6 20	3 9 2 2 4	1 3 1 4	-	1 - 1	1 1 1 1	7	1		1111		H 1 1 1 1	1	4
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	3 10 19 16	1 4 28 9	1 - 3 2	- 1 6 6			- 1 -	5	-		3 -	-	I I I I I	1	- 2 1
Charlton wHH - K. Woolwich Dockyard - K. Woolwich Arsenal HHHH - K. Plumstead West H - K. Plumstead East WH - K.	15,928 19,355 21,959 16,714 42,538	6 9 17 7 31	8 5 9 5 14	- 2 4 2 7	11123		11111		4	11111			-		1	1 1 1 -
Banstead Asylum Horton Asylum, Epsom Caterham Asylum Cane Hill Asylum		-	1 2 - 3 3 9 1 2 - 1 3		- 2 - 1 - 5 - - 1			1				11111111111111		11111111111		

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, oSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week dding Saturday, 28th October, 1899.

					_		The	DE/	THS				Week	inclu	ide		
	Area	Enume-	502	20.	Dea	thsof		1	:	Death	1 .	m.					98
REGISTRATION SUB-DISTRICTS	in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under Year of Age.	Persons aged 60 Years & upwds,	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence,	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
DON-OUTER RING -	368,749	1,422,063	973	498	110	143	-	7	2	13	3	20	13	14	41	57	1
Carshalton H Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	12 5	3 7	- 1	1 2	-	-	-	-	-	-	- -	-	-	7	-
Godstone, part of* W -	2,754	1,598		-	-	_	-	_	_	_	_	_	_		_	-	
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	73 14	40	7	17 2	-	-	-	1	1	3	1	1	5 2	8	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	24 24 4 4 9	8 - 9 2 2 5	2 1 - 1	2 5 2 1	11111	11111	1	11111	1111	1	1111	1 1 8 8 1	2 - 1	1 2 - 1 1	
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	8 11	5 8	1 2	3	-	1	-	_	-	-	, ee.		2	-	-
Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	13 5 8	4 5 2	1 1 -	$\frac{1}{2}$	-	1 1 1	-	-	-	1 -			-	1 - 1	-
Bexley HHH Dartford WH, part of * -	12,540	30,590	24	6	1	3 -	-	-		-	-	-	-		1	-	]
Sunbury w Staines WH	11,054 13,277	13,671 13,221	17 8	1 4	- -	- 4	-	-		-	-	-	-	-	- 1	-	
Hillingdon $WHH$ Uxbridge Hayes $wH$	6,035 12,757 7,952	12,237 7,253 11,051	8 4 9	21 23 23	1 -	1 2 -		~ -	-		-	-		1 1 1	-	-	
Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	20 9 17 11 23	12 1 11 7 13	2 - 1 1 4	4 1 4 1 4					11111	1	- - - 4	1 -	1 -	2	
Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	13 3 51 14	3 1 25 8	9	2 2		- - 1		2 -		1 -		1	- 1	- 2 1	1
South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	4 9 11	$\frac{1}{2}$	1 -	- - 1	- 1	-		-		-	-	-	1 1 1	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	31 65 31 20 5	16 24 23 10 2 5	4 7 4 5 1	4 7 8 2 1		11111		1 1	11111	2 -	1	3 - 1	5321	1 5 1 -	
Hatfield, part of* W Bushey H Watford WH, part of* -	3,306 9,331	582 7,737	6	4	1	-		-	-	-		_	-	-	-	-	
Stratford H Plaistow HHHH Panning Town H Corest Gato w East Ham wHH Leyton WWWH Walthamstow HHHL Chigwell, part of* HHHH Epping WH, part of* -	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	30 56 46 33 42 46 47 5	17 45 25 14 28 38 22 2	11 8 4 9 4 4 1	6 10 3 5 3 16 2 1	1 1111111	1 4		3 2 1	1	1 3 - 2 - 3 - 3	1 2 1 1	1 3 1 - 1 - 1 - 1	3 4 1 1 1 2 - 1 2	1 3 - 13 - 1	1
Romford, part of * WH -	6,556 8,493 3,814	4,324 10,913 14,301	3 15 14	- 8 6	2 2	- 2 3	-			2	1	1		-	1 1 1 1	- 1	
Middlesex County Asylum, Wandsworth, London County Asylum, Dartford Heath.	-		-	2	-	-	-	-	-	-	-	-	-	-	-	2	-

parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring Illows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham ley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst rict, except the parishes of Cheisfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 79); 139: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospitals for us Diseases belonging to the Outer Ring in 42: 2, Dartford; 137: 2, Watford and 187: 2, Epping sub-districts

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS at Rate of MORTALITY during the week ending Saturday, 28th October, 1899.

									-						
			ANNUA	L RATE			The DE	ATH	3 regi	stered	l in th	ıs Wes	ek inc	lude	
	Area	Population estimated	of MOR	TALITY Diving.	DEATHS	Deat	hs of				Death	ıs fron	n		
GREATER LONDON,	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diambos.	Contract of the Party of the Pa
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	1
GREATER LONDON	443,421	6,528,434	18.7	1.8	2342	486	630	_	41	16	71	13	60	30	7
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	21·1 13·1	2·0 1·5	1844 498	376 110	487 <b>143</b>	-	34 7	14 2	58 13	10 3	40 20	17 13	1

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692°845 square miles, which is equivalence area of a circle having a radius of 14°851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain Foreign Cities.

			and i	n certain	FOREIGN	CITIES.						3
						ANNUAL	DEA	THS	FROM	PRIN	ES.	ZY
	POPULATION (enumerated or estimated).	DAT OF RET Week en	URN.	BIRTHS. Exclusive o	DEATHS.	DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	Fever.
EDINBURGH - GLASGOW DUBLIN	298,927 733,903 349,594	Oct.	28 28 28	171 458 180	106 287 244	18 <sup>.</sup> 5 20 <sup>.</sup> 4 36 <sup>.</sup> 4		- 8 44	1 3 1	3 2 2	1	
CALCUTIA BOMBAY MADRAS	466,460 821,764 452,518	Sept. Oct. Sept.	23 3 22	291 397	255 700 306	28·5 44·3 35·1	6 1	1 12 1	\$ -	?	5	9 16 7
PARIS BRUSSELS	2,511,629 561,130	Oct.	21 21	1049 230	874 165	18·0 15·3	-	3	2 -	3* 1*	1	1
AMSTERDAM - ROTTERDAM - THE HAGUE -	517,595 315,305 199,285	99 99	14 14 14	287 206 116	141 96 63	14·1 15·7 16·4	-	-	- - 1	-	- 2 2	-
COPENHAGEN - STOCKHOLM - CHRISTIANIA -	349,000 291,580 221,255	99	21 14 21	178 142 148	90 78 • 54	13:4 13:9 12:7	-		2 1 -	2 3* 2	1 - -	-
ST. PETERSBURG MOSCOW	1,132,677 988,610	27	14 14	633	455 455	20 <b>·</b> 9 24 <b>·</b> 0	1 -	9	11 12	24 5	9	1
BERLIN HAMBURG	1,818,517 675,351	Sept.	30 21 30	-	196	- 15·1	-	-	3	- 3*	3	-
DRESDEN BRESLAU MUNICH	397,300 406,012 445,000	Sept. Oct.	21 21	-	165	21.2	-	-	2 -	1 -	2 -	-
VIENNA PRAGUE BUDA-PESTH -	1,623,134 384,622 666,722	37 39 39	14 14 14	1011 200 430	525 163 228	16·6 22·0 17·8		2 - 2	6 1 11	5** 3 2	1 - -	-
TRIESTE ROME TURIN (11 days)	166,599 508,779 344,203	Sept.	7 30 31	102 208 225	136 140	20·8 13·9 13·5		- - 1	1 1	5* 3 -	- -	1
VENICE CAIRO	172,288 570,062	Oct. Sept.	7 2	76 391	49	14·8 31·1	-	9	_	2* 6*	-	-
ALEXANDRIA - NEW YORK	319,766	53	2	202	174	28:3		-	-	1*	15	1
(including BROOKLYN) PHILADELPHIA -	3,550,053 1,266,832	Oct.	23 7	1365	1154 428	17·0 17·6	-	7	2	26 22	5	

<sup>\*</sup> Including deaths from croup.
† Including 31 deaths from plague in Calcutta and 83 in Bombay.
‡ Including 1 death from cholera in Calcutta and 2 in Bombay.

§ Including 4 deaths from relaying from the control of the

_			_	_		_		- 4	460	6070	ogic	-	_	0086	rvat	ions.							5
	Ozone,		_			000		9 0	0.0	0.0	0.0	!	26		sea;	cars	r is	bles.	and	oter,	ent,	th;	cne cne
ina Gauge	whose receiving	surraceis 5inches above the Ground.		in.	00.0	00.0	00.0	0.00	0.51	0.21	Sum	7 00 7	25		The means of	correct	mn 8).	rical Tal	moven ing 1875 tigher,"	ermome	modera	the 24	no nua
	on's.		16 Years,	Miles.	150	110	077-	141	8 8		Sum -549	OEO	24		an leve	and the	nding l lb theri im and sir(colu	grometi of theo	ars endi	ring Ele	k; m. shine I	P.M. on	e ny vile
The Children	Koëinson's.	al ir ir	Day.	Miles.	00	11.0	RCT 100	651	261	310	Sum	TOIL	23	idnight.	sealeve,	applica de durir	years edry bu maximue of the	her's Hy scussion	the 16 years the 1	exerror of factor of the facto	negauve; W. weak; m. moderate umpbell-Stokes Sunshine Instrument on each day	the begin by 9h.	00 65 0
	0	Mean of 24 hourly cobs.		lbs.	0 0	0 0		0.0	7.0	0.5	1:	-	233	t to m	tabov ace to h. P.M.	by the	f the f the f the gratur	Glais P Glais P adj	ls for t	's sel	ell-St	in at 0.22 in	70000
	Pressure on the Square Foot.	Least. h	-	Ibs.		0 0	0.0	0.0	0.0		1:	1	21	dnigh	to red	alues	ding c	ters by	record in mi	omsor	ampt on ex	1 to 3 incre	
	Pressu	Great-	-	lbs. 1	0 0	0.0	0.0	1.1	, cc	. 10	1:	1	20	om mo	dings dings M.; no	laily v	readir	momer ntderiv	netric borne	om Th	theC	from greased	
Osler's.	irection,	P.M.	-	Variable	& calm.	SW.	& E.	SSW. &	SSW.	WSW. W.		-	16	vil day, or fr	od to the rea aken at9h.A	into mean	orrected messean of the near daily very	ret bulbther ftheairisth	fthe anemoidate will be	is derived fr	derived fron of bright st	he 23rd; in. M. on the 27th	
The second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the second section of the section of	General Direction,	A.M.		五 五 五 五 五 五 五 五 五 五 五 五 五 五 五 五 五 五 五	calm.	SW. WSW.	E. NE.			& SSW. SW. & SSW.	SW	10	128	The results apply to the civil day, or from midnight to midnight.	Any operation of the house of the property of the property of the property of the sea ;  Observations are usually taken after a fine produce to sea loye).  Observations are usually taken after a fine produce to sea loye).  The mean of the produce and the produce to the produce to sea loye).	thermometer, are converted into mean daily values by the application of corrections deduced trons a discussion of the properties records made during the twenty years ending 1873 for the barwine, and brongarphic records made during the twenty years	thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the sir (column 8). The mean daily dew noint femometers from the corrected mean daily value of temperature of the sir (column 8). The	daily values of the dry and were the bulb thermometers by classher's Hygrometrical Tables. The average temperature of the airists had caived from a discussion of the observations made at Greenwich drinks the forecast one of the airists that can be aired from the observations.	of the air from a discussion of the anomaring accordant that the 15 years ending 1875.  In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and  "Lover," than the average.  The valingeriven in column 10 and 24 it will be borne in mind that + indicates "higher," and	which cannot be determined. The concentration of the street of Electrometer, The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are promitted. No next to be symbols employed are promitted.	8. strong; and v. variable. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregated duration of bright sunshine on each daw	The reading of the barometer decreased from 30.25 in. at the beginning of the week to 30.04 in. by 4b. Ph. a. on the 23rd; increased to 30.92 in. by 4b. Ph. on the 24th; decreased to 20.92 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 3b. Ph. On the 27th; and increased to 20.93 in. by 4b. Ph. On the 27th in.	
57.50	Earth 3 fort	below the Surface.		52.12	51.99	51.80	51.83	52.02	52.25	52.70	52.10	11	1/	sults ap	setion havations	neter, and from a 1873 for	neters. ad the neters, f	lues of t	rfrom a ding col	annot be	; and v imbersi e aggreg	ading of in, by 4 d to 29.5	
if then	a tak O sta	Lowest on the Grass,		0.98	35.6	37.2	300	37.0	52.3	46.1	40.4	10	107	Ther	no corre Obser the eye	thermor deduced ending	thermor combine thermor mean da	daily va Theav made at	of the ai In rea - "lowe The ve	which c The re The svr	The nu	The re to 30.04 decrease	week.
Padiation		Highest in Sun's Bays,		54.8	63.4	74.4	0.06	71.1	0.79	94.3	73.1	15	er		bially ofter-					mild		ZD, P.M.	
of Hu-	(Satu-	aquals 100).	-	100	63	86	83	91	63	82	06	17	, II	ιċ	; par		morn	h var	urly n quent	very	arly m	au Zn.	
	1	Least.	-	0.0	0.0	0.0	1.0	0.4	0.4	1.7	0.4	13	La)	IARK	orning ole der		fog in	ıe, wit	y in eg ith fre	1. A	n in earge	зпомег.	
na bew roun. Temperature.		Great-		2.3	6.8	2.6	10.4	2.8	3.4	80.00	0.2	1.61	7.7	L REI	nt in m varial		slight	ig; fli	cloud	ıt rain.	vy raj with	N ST	
жиа Тел		Mean daily value.		0.0	1.9	4.1	5.3	5.6	2.1	ت. ئئ	3.0	1	7.7	GENERAL REMARKS.	evaler log of	oggy.	Generally cloudy; slight fog in morning.	Cloudy in morning; fine, with variable nounts of cloud afterwards.	Fine and partially cloudy in early morn- g; generally overcast, with frequent rain ter 8h, A.M.	Overcast; frequent	Overcast, with heavy rain in early morn-g; fine generally, with large amounts of	år.cr.	
Dew	POME	Mean daily value.		43.4	45.6	46.1	46.9	2-09	2.99	52.1	48.7	12		G E	fog pr with i	ards. Overcast; foggy.	ally cl	y in r	nd pa nerally . A.M.	ast; f	ast, wi	ild.	
	De-	parture from Average of 50 years,		0 -	2.0 -	+ 2:3	+ 4.6	+ 5.9	+11.0	+10.5	+ 4.0	6			Dense fog prevalent in morning; partially cloudy, with fog of variable density after-	wards. Overc	Gener	Cloudy in morning; fine, amounts of cloud afterwards.	Fine and partially cloudy in early morning; generally overcast, with frequent rain after 8h, A.M.	Overc day,	Overcast, with heavy rain in early morning; fine generally, with large amounts of	Very mild.	
Lir.		Mean daily value.	_	43.4	47.5	50.5	52.3	53.3	58.3	57.4	51.8	00		Sun above Horizon, in hours,	10.3	102	1.01	10.0	10.0	6.6	6.6	Sum 70.4	29
Of the Air,		Daily Range.		5.6	17.5	15.0	14.6	10.3	5.1	12.5	11.5	7		red Sur ne Hc rs, in						-			-
	_	Low- est		41.3	37.3	43.2	45.5	47-7	55.4	51.1	45.9	9		Registered Sunshine in hours,	0.0	0.0	6.0	4.1	1.0	0.0	2.2	Sum 7.8	28
		High- est.		46.9	54.8	58.5	1.09	28.0	2.09	63.6	57.4	2	-		A.M.;	A.M.;	P.M.;	- tnc	ally; be-	ally;	fter-		
daily	(cor-	and reduced to 32°. Fahren-heit).		in. 30.204	30.072	30.175	30.114	29.749	29.604	29.697	29-945	4		(For explanation of symbols, see Note.)	w. P. till 10h. A.M.; . P. afterwards.	ill 7h.	till lh.	w. P. throughout	general w. N. 1. and 8h	generg	nd w. N.		27
Phases		HOOR:		Greatest	Dec. IN.	:	:	Last	:	Apogee		3	E .	(For ex symbo.	w. P. till 10h. A. m. P. afterwards.	m. P. till 7h. A. w. F. afterwards.	w. P. till Ih. P.M. m. P. till 8h. P.M. w. P. afterwards.	W. P.	w. P. generally; occasional w. N. be- tween 2h, and 8h, P.M.	w. P. generally occasional w. N.	w. P. and w. N. till 5h. A.M.; w. P. after- wards.		
	2 2		13.	- 222	- 23	- 24	X 25	26	- 27	89	1	- uu			223	- 53	. 24	25	- 26	- 27	788		1
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
By DARLING & SON, LTD., 1-3, GREAT ST. TEOMAS APOSTLE, E.C.

1899.

## WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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WEEK ENDING SATURDAY, NOV. 4.

Price 11d.

General Register Office, Somerset House, November 6th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 18.8 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g		7	Weeks	endin	g
Towns,	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Towns.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.
Birmingham - Blackburn - Bolton Bradford - Brighton - Bristol Burnley - Cardiff Croydon - Derby Gateshead - Halifax - Huddersfield-	13·6 17·2 20·1 19·9 18·1 18·2 18·4 20·8 15·2 15·5 13·2 18·1 12·8 17·1	16·8 19·5 19·7 18·3 19·6 13·1 23·7 19·4 15·2 9·8 10·8 21·0 16·0	22·2   20·5   17·7   19·0   21·0   17·8   29·7   18·9   10·1   12·7	19·5 17·4 25·7 17·4 11·8 23·6 14·8 13·5 13·9 11·3 21·5 16·5 13·1	Leicester Liverpool London Manchester Newcastle-on-Tyne Norwich Nottingham Oldham Plymouth Preston Salford Sheffield Sunderland Swansea West Ham	25.5 18.8 21.9 16.6 11.5 20.5 19.7 20.2 16.7 19.9 21.3 19.6 20.1 15.1	28·4 18·0 23·6 20·3 11·5 15·9 17·3 22·3 15·9 18·6 24·4 20·6 20·1 13·6	14·9 27·7 21·1 24·4 20·8 13·4 19·6 20·4 14·0 19·1 18·6 24·8 27·3 23·3 21·1 18·9	21·6 18·6 21·6 19·8 14·7 17·6 18·7 16·1 15·6 21·3 22·9 21·5 19·0 15·6
Hull Leeds	20·9 16·0	19.3		17.8	West Ham Wolverhampton -			19.4	24.1

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Bolton, and 1.4 in Birkenhead; from scarlet fever, 1.1 in Halifax, 1.3 in Bolton, and 1.4 in Burnley; from whoopingcough, 10 in Salford; from "fever," 11 in Sunderland, 12 in Wolverhampton and in Leicester, 1:3 in Nottingham, 1:6 in Sheffield, and 1:8 in Birkenhead; and from diarrhæa, 1.2 in Blackburn. The 97 deaths from diphtheria included 39 in London, 15 in Sheffield, 10 in Leicester, 6 in West Ham, 6 in Leeds, 3 in Liverpool, and 3 in Blackburn. Six deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2613 BIRTHS and 1626 DEATHS were registered. Allowing for increase of population, the births were 155, and the deaths 17, below the average numbers in the corresponding weeks of the last ten The annual death-rate per 1000 from all causes, which had been

By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums strated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

18.8, 18.0, and 21.1 in the preceding three weeks, fell again last week to 18.6. During the four weeks ending on Saturday last the death-rate averaged 19.1 per 1000, being 1.3 per 1000 above the mean rate in the corresponding

periods of the ten years 1889-98.

The 1626 deaths included 33 from measles, 7 from scarlet fever, 39 from diphtheria, 14 from whooping-cough, 29 from enteric fever, 22 from diarrhoa and dysentery, 1 from cholera, and not one death from small-pox, from typhus, or from any ill-defined form of continued fever; thus, 145 deaths were referred to these diseases, being 42 below the corrected average weekly number.

The deaths from measles, which had been 20, 26, and 34 in the preceding three weeks, were 33 last week, the corrected average being 43. The deaths from *scarlet fever*, which had been 9, 6, and 14 in the preceding three weeks, fell again last week to 7, and were 15 below the corrected average; 3 cases belonged to Islington sanitary area. The deaths from diphtheria, which had been 56, 60, and 59 in the preceding three weeks, fell last week to 39, and were 13 below the corrected average; 5 cases belonged to St. Pancras, 4 to Islington, 3 to Bermondsey, 3 to Wandsworth, and 3 to Camberwell sanitary areas. The deaths from whooping-cough, which had been 10, 6, and 10 in the preceding three weeks, further rose . last week to 14, but were 6 below the corrected average. The fatal cases of enteric fever, which had been 21, 15, and 40 in the preceding three weeks, fell again last week to 29, but were 8 above the corrected average; 3 cases belonged to Hammersmith, 3 to Poplar, 2 to Islington, 2 to Clerkenwell, 2 to Bermondsey, 2 to Battersea, and 2 to Greenwich sanitary The deaths from diarrhaa, which had been 49, 25, and 17 in the preceding three weeks, rose again last week to 22, but were 7 below the corrected average. Of the 22 deaths from diarrhoea, 16 were of children under 5 years of age; 19 more deaths at this age-period were described as due to gastro-enteritis. The deaths referred to diseases of the respiratory organs, which had been 275, 306, and 477 in the preceding three weeks, fell again last week to 418, but were 55 above the corrected average. The deaths attributed directly to influenza numbered 19, having been 13, 5, and 18 in the preceding three weeks.

Different forms of violence caused 54 deaths, concerning all but 2 of which inquests were held. Of these 54 deaths, 10 were cases of suicide, and 1 of homicide, while the remaining 43 were attributed to accident or negligence. Seven of these were referred to vehicles in the streets, and 9

(of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3539 cases of scarlet fever, 1715 of diphtheria, and 407 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as, follow:—Of scarlet fever, 331 cases, against 455, 447, and 414; of diphtheria, 230 cases, against 271, 269, and 259; and of enteric fever, 103 cases, against 70, 50, and 44.

GREATER LONDON.

In Greater London 3,755 births and 2,123 deaths were registered, corresponding to annual rates of 30·0 and 17·0 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 5 from scarlet fever, 19 from diphtheria, 2 from whooping-cough, 12 from "fever," and 4 from diarrhea were registered. Six deaths from measles, 12 from diphtheria, and 7 from "fever" occurred in West Ham District; a resident of this district died from diphtheria in the London Fever Hospital.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.61 inches, and that of the Thermometer 53.02; the latter being 6.05 above the week's average in the 50 years 1841–90. The direction of the wind was south-south-westerly, the horizontal movement of the air being 47 per cent. above the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 22.5 hours; the measured rainfall amounted to 1.81 inches.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of eases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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	CITIES	BOROUGHS	Cols.	33 TOWNS.	Lowbow	WEST HAM	CROVDOM	BRIGHTON	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWIGH.	Nomittee.	DERBY.	BIRKENHEAD	LIVERPOOL.	BULTON.	MANCHESTER.	SALFORD.	BUDHAM.	BLACKBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.	BRADFORD,	LEEDS.	SHEFFIELD.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
ALL.		In Centi- metres.	24.	3.40	4.00	1 00	25.	2.84	4.70	T	4.55	1	1	2.90	1	3.80	1.08	2 1	1	3.00	ı	1	t	1 1	1	ı	3.58	1	1.20	1	1:50	1	1	1
RAINFALL.		'seqouI uI	23.	1.34	1.0.1	101	9-17	1.12	1.85	1	1.79	ı	1	1'14	ı	1.53	124	- 1	1	1.18	1	1	1	1 1	ı	1	1.41	1	129.0	1	0.20	1	1	ı
T	ı.	Centigrade,	22.	10.56	11.70	0) 17	10.44	12.61	68.11	1	11.17	ı	1	19.8	1	10.33	08.0	3 1	1	10.11	ı	1	1 1	1 1	ı	1	68.6	1	10.55	1	9-72	<u> </u>	ı	
	Mean.	Tahrenheit.	21.	51.0	6.62	4 50	50.8	54.7	53.4	1	52.1	1	1	6.74		9.00	49.8	1	1	50.5	1	t	] [	. 1	1	1	49.8		20.4	ı	- 49.5	1	1	,
=		heit. Lowest.	20.	34.0	40.0	0 0 1	37.5	41.4	40.5	ı	39.0	ı	ı	34.0	1	36.8	30.0	3 1	1	43.3	1	ı	1 1	1	1	t	39.3	1	41.2	1	38:0	1	1	,
-	.3	Fahrenheit,	19.	64.5	69.0		69.0	62.5	0.19	ī	64.5	1	ı	2.69	1 8	60.4	61.2	,	1	61.2	1	1	1 1	1	1	1	63.5	1	0.19	1	62.0	1	1	1
Sulpud	Deaths.	From Diseases in Cols. 6-12.	18.	2.0	1.0	3.0	0.0	0.4	9.1	1	8.0	0.9	1.0	1.8	i o	6.0	3.0	) 1	4.5	1.8	3.5	1.7	2 G	1 61	3.1	2.5	1	2.1	4 6	0 5	100	1.8	0.2	1.4
correspond	Week's Death	From All Causes.	17.	00	10.0	16.3	13.6	11.8	15.6	1.91	23.6	13.5	9.CT	24.1	19.5	18:3	17.6	11.3	18.1	9.17	25.7	9.17	18.7	14.8	17.4	21.3	13:1	16.5	17.4	8.7T	18.7	19.0	21.5	S.A.I
	d ath	Uncertified Sauses of Des	16.	41	er	0 07	1 1	1	-	1	1 1	rI	1		C	ı -	-	1	1	15	1	1	1	ı	62	C2	7	-	1 r		4 CJ	-	ı	,
_	*91	Deaths in Public Institution	15.	206	508	11	10	9	1-	67	20	ري -	٦		43	77 5	15	က	6	22	6	56	77	) H	П	∞	2	<u>-</u>	14	13	34	10	10 6	3
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Deaths from		Whooping-	10.	41	14	7-1	ı	1	1	1 -	-	1 1	1	1 6	- 1		1	1	ı	က	-	N 4	٠,	1	ł	Н	ı	1 -	-	l -		1		7
Death	-	Diphtheria.	9.	16	39	9	1	1	67	1 0	.73	1		1 0	/1	- 01	-	1	Н	ಣ	1 0	7 -	1 1	Π	က	Н	1	1 -		0 10	1 1	1	1 -	-
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	-	Measles,	7.	2.2	33	4	1	1	1	1	1	1 -	٠	1 0	9 1	n (1)	3	ı	က	9	en -	4 -	1	-	-	1	1	1 -	4 -	100	1 03	1	1 6	0
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aths of	1	Persons aged 60 Years and upwards	5.	1010	421	14	14	6	16	I3	10 02	2 5	3 :	11	5 5	15	22	-	12	22	N 9	14	14	4	<u></u>	=	9	χ -	#7 	27	16	000	~ ~	2
Deat	J.	Infants under l Year of Age.	4.	959	352	28	2	က	14	9 6	47 1	Q ≪	1 0	7.	9 10	18	15	2	2	99	47.	25	14	11	14	17	က ¬	97	2 00	40	17	17	23 8	3
the Week ending 4th Nov. 1899.		BIRTHS, DEATHS,	ສະລີ	4120	1626	94	34	28	22	31	C#T	9 67	5 5	14T	35	12	81	23	40	263	080	96	54	32	45	48	26	70	145	149	84	53	44	
the Wee		зівтив,	ાં	6749	2613	200	89	49	102	29	101	63		315	99	117	124	22	92	491	98	170	08	41	89 1	6/	43	110	953	244	157	105	30 82	
POPULATION	estimated	middle of the Year 1899.*	1.	11,404,408	4,546,752	300,241	127,759	123,226	190,741	100,637	185 898	103,722	100 00	514.956	113.266	213,851	239,384	106,401	115,162	634,212	162,221	218,944	150,772	113,081	135,154	117,622	103,464	91.721	498 889	361.169	234,270	145,613	106,002	
SHITTO		вовотенв.	Cols.	33 TOWNS - 1	LONDON	WEST HAM -	CROYDON	BRIGHTON	PORTSMOUTH -	PLYMOUTH -		SWANSEA	WORTHERNAMEN	BIRMINGHAM -		1	NOTTINGHAM -	DERBY	BIRKENHEAD -	OT -	MANGHEGHED	SALFORD	OLDHAM	BURNLEY	BLACKBURN	FRESTON -	HUDDERSFIELD -	BRADRORD -	, ,	ELD -	HOLL	SUNDERLAND -	NEWCASTLE -	

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-FOURTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2623	2295	2717	2767	2452	2659	2693	2819	2751	2530	2767.7	2613
Males	1316	1155	1348	1336	1253	1331	1368	1405	1379	1275	1385*2	1305
	1307	1140	1369	1431	1199	1328	1325	1414	1372	1255	1382*5	1308
TOTAL <b>Deaths</b> -  Males  Females	1317	1817	1446	1491	1695	1372	1789	1709	1585	1394	1642·9	1626
	673	909	755	747	853	711	921	873	818	713	838·9	838
	644	908	691	744	842	661	868	836	767	681	804·0	788

The numbers in this column are the average weekly numbers in the forty-fourth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks.

	111 110		, ,					WEEK					
	Aug.	Aug.	Aug.	Sept.	Sept.	Sept 16.	Sept.	Sep 30.	Oct.	Oct. 14.	Oet. 21.	Oct. 28.	Nov.
TOTAL Births	2214	2671	2646	2532	2442	2675	2531	2399	2540	25491	2529	2495	2613
TOTAL Deaths	2068	2208	2100	1931	1934	1643	1649	1456	1564	1637	1567	1844	1626
$\begin{array}{c} \text{Ages at} \\ \text{Death} \\ \begin{array}{c} -1.5 \\ -20 \\ -20. \\ 20-40 \\ -60. \\ -30. \\ \end{array} \begin{array}{c} -1.5 \\ -20. \\ -$	1015 242 74 163 289 244 41	1043 242 88 204 298 262 71	916 254 89 229 290 264 <b>5</b> 8	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 364 338 83
Deaths from— Small pox	54 8 26 16	48 8 33 28	- 52 7 29 18	34 5 29 31	33 5 24 25	17 2 22 16	- 17 8 42 19	- 15 9 44 23	21 7 55 10	20 9 56 10	- 26 6 60 6	34 14 59 10	33 7 39 14
Enteric Fever Simple Continued Fever Diarrhoa and Dysentery Cholera	12 463 21	11 481 16	16 426 21	18 - 368 22	12 322 8	18 233 9	24 162 6	19 81 2	19 53 2	21 - 49 -	15 25 -	40 - 17 1	29 - 22 1
All the above Diseases -	600	625	569	507	429	317	278	193	167	165	138	175	145
Dis. of Respiratory System—Phthisis—————————————————————————————————	163 134 96 72 151 451	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 122 54 122 508
TEMPERATURE OF THE AIR.  Mean	63.8 74.6 55.7	66*5 77:4 57:2	66*4 79:8 53:6	63.5 74.1 55.2	65.6 76.5 55.2	57:5 67:0 48:8	54.6 63.5 48.2	52·1 61·0 45·5	49·3 56·6 42·6	47·3 58·9 36·2	47·4 56·6 39·4	51.8 57.4 45.9	53·2 59·1 47·1
Humidity of the Air	<b>7</b> 3	64	63	71	70	73	68	76	86	82	82	90	83
Rain-fall (in inches)	0.03	0.00	0.00	0.29	0.54	0.27	0.36	1.01	0.50	0.12	0.00	1.30	1.81
Registered Sunshine (in hours)	54.9	49.4	74.8	53.4	47.5	23.5	38.3	32.5	12.2	38.9	43.3	7.8	22.5
CASES OF INFECT	ious S	ICKNI	ess in	Hosp	ITALS*	AT T	HE EN	TD OF	EACH	WEER	۲.		
Small-pox	2674 1519 183	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	2886 1487 252	3003 1519 275	3217 1595 308	3408 1659 331	3504 1700 342	3539 1715 407

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

ABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the

				Fo	RT	Y-F	OU:	RT	H W	eek of the Year 1899.	أبالهم التأمك	hat.	00	1	376	80	žė.		
	the	8	In	the	Wee th 1	k en Vove	ding mbe	r 189	99.		the	S	atur	n th	e We 4th 1	ek ei Nove	mber	g r 189	9.
	ges for		Des	ths th	of P		ns o	E' 1 .	251.	Programme Control of the Control of	ges for the 10 8*,		D	eath	s of l	Perso	onso	£.	*:
USES OF DEATH	Averages k of the 1889-98*	n i	0	nder		er 40.	er 60,	er 80.	and	CAUSES OF DEATH	Averages of the 1889-98*,		1	7nde 20.	er	under 40.	ler 60.	ler 80.	and
	Corrected 44th Week	ALL AGES	0-1	1-5.	5-20,	20 and under 40.	40 and under 60.	60 and under 80,	80 years a	in the control of the	Corrected 44th Week	ALL AGES	0-1.	1-5.	5-20.	20 and und	40 and under	60 and under	86 years
AUSES	1642.9	1626	352	197	86	206	364	338	83	Diseases of Circulatory System	141.5	122	1		11	22	39	43	6
1- {Vaccinated † - Unvaccinated   No Statement es + Fever	0.1 0.2 43.3 21.6 0.2	- 33 7 -	4	27 6	- - 2 1 -	1111111			111111	Croup Bronchitis Pneumonia Other Diseases of Res-piratory System -	5.8 199.5 124.6 5.7 27.4	4 217 162 9 26	71 37 - 4	4 15 43 2 3	1 1	6 20 1 -	36 31 5 9	- 69 26 1 8	1
nnga	6.6 19.7 52.0 0.5 21.0 - 28.6	19 14 39 - 29 1 22 -	3 2 - - 14 -	10 23 - 1 - 2	1 13 - 10 - -	10 -	4 - 811	11 - 4	1	Dentition Quinsy, Sore Throat - Enteritis Gastro-enteritis - Breitonitis - Diseases of Liver Other Diseases of Digestive System	4:8 1:7 18:9 { 6:6 23:7 31:2	5 1 13 22 4 24 24 32	3 -4 13 1 1 1 7	1	1 2 1 - 2	1 5 3	1 2 12 10	1 2 6 6	
ers ox and Effects of } enation } eal Affections oclas	- 0.5 10.5 7.4 2.4	- 12 8	- 10 3	1 1 1	1 1 1	- - 1	- 1 1	- 1 3	1.1.1.1	Diseases of Lymphatic System & of Ductless Glands	2:2	2	-		1	_	-	1	- Jan
ia and Septicæmia eral Fever – – Zymotic Diseases	8.4 1.1	9	-	1 1 1	ī	8	-		1 1 1	Diseases of Urinary System }	47.8	55	1	1	1	7	21	22	2
h	1·1 0·2	1	1	-	- -			-	-	Diseases of Generative } System } Accidents of Childbirth-	6.3	5 5	1 - 	1 -	1	5	1	1	
ation, Want of									-	Diseases of Locomotive System }	4.9	3	1	1	-		-	1	
ast-milk )	101	22	-	-	-	8	10	4	-	Diseases of Integumen- tary System-	8:1	7	4	-	-	-	-	2	1
matic Fever, umatism of Heart } matism	10·7 1·9 2·9 4·5 76·5 21·9 19·0 165·7 18·7 14·0	9 26 5 75 28 22 157 18 15	- 15 9 2 3	- - 3 - 11 9 2 5	2 4 9 1	3 - 8 - 71 3 2	1 35 - 64 6 8	1 1 4 30 - 8 - 2	1 2 - 1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions -	56.6	2 7 1 1 - 4	- - - 1	- - - 1	- - - 1	-2	2 3 1 1 -	- 1 - - 1	The state of the s
ature Birth ctasis enital Malforma- }	49.6 3.9 8.1 44.6	42 3 8 58	42 3 6	1 -	1	-		- 24	- - 34	By Drowning - By Suffocation in Bed By Poisons or Poisonous Vapours Other or not stated causes		3 9 2 14	- 9 - 3	-	1	- - 1	2 2 2		]
lexy	46°4 7°4 40°8 76°0	44 5 30 68	25 7	5 6	ł	7	22 2 - 13	21 1 - 25	- - 6	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.4 8.3	10	1 - -	111	1	3 -	-6	1   1	1 1 1 2
ses of Organs of cial Sense -	4.2	-	-	-	-	-	-	-	-	OTHER CAUSES	58.1	42	38	4		-	-	-	
he numbers in this as						1	1	2	4.1m m d	or the ten years 1889-98, rais	end by 5°	213 ne	ar c	ent	for	r in	cre	286	- il

the numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase equiation.

In this cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered real men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the coldent is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of lent, murder, manufaculation of suicide. All such causes are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHOEA, VIOLENCE, &c., registered in SUR-DISTRICT during the Week ending Saturday, 4th November, 1899.

N. A. A. C. C. C. C. C. C. C. C. C. C. C. C. C.	, ,						The	DEAT	'HS re	gister	red di	iring	the W	eeki	nelud	le	
	Enume-			Dea	thsof	1			. :	Death	ıs fro	m					1
REGISTRATION SUE-DISTRICTS.	rated Popu- lation, 1896,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	ScarletFever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhea.	Violence.	Inquest Cases.	
LONDON -	4,411,710	2,613	1,626	352	421	_	33	7	39	14		29		22	54	122	50
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON®	778,251 1,040,694 233,635 716,334 1,642,796	378 534 127 524 1,050	249 350 97 314 586 30	48 66 20 77 141	72 104 24 66 143	11111	4 4 2 4 19	1 2 - 1 2	14 11 2 18	1 3 5 5 -		7 5 2 4 11	1 11111	53229	8 15 1 13 17	11 30 7 38 36 -	100
WEST DISTRICTS.  St. Mary Paddington $WHH$ St. John Paddington $H - G$ .	90,996 33,510	43 8	24 5	3 -	11 2		-	1 1	, 1 1			-1	1 1	1 -	1 -	2 -	
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	57 14	50	8 -	14 3	-	1 -	-	-	-	-	-	-	-	1	2	2
North Hammersmith $\uparrow H$ South Hammersmith $\uparrow H$ W. & G Fulham $Ww W$ . & C.	44,638 59,561 113,781	29 22 89	17 13 40	$\begin{array}{c} 4\\2\\12\end{array}$	5 4 7	1 1 1	- 3	-	- 4	- 1		1 1 3		1 1 1	1 1 3	2 1 1	1
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	11 26 15	6 19 9	5 2	2 4 2	111	1 1 1		-	1 1 1		1 1 1		2		- ī	]
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	5 22 14 5	9 19 14 2	1 4 5 -	3 5 1		1111	1111		-	1111	1111	1111	- 1 1 -	1 -	2 -	
	23,050 12,048	7 11	10	2	6		-	1 1	-	- -	-	1	-	-	-	-	
NORTH DISTRICTS.  All Souls Marylebone H. W. Rectory Marylebone W. G. & W. St. Mary Marylebone B. G. & W. Christchurch Marylebone H. W. St. John Marylebone H. W. W.	36,595 19,798 19,637 32,547 32,611	14 6 15 16 11	12 5 5 6 6	2 2 - 33	3			1 1 1 1 1	- 1 -	1 1 1 1		1	1 1 1 1	11111	1 - - 1	1 - 1 - 2	1
$ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} $	75,449	37	29	1	7	-	-	1	6	-	-	1	-	-	-	-	]
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	14 8 18 11 14 56	7 13 10 10 10 32	- 1 2 1 1 8	3 2 4359	1 1 1 1 1	- 1 - - -	1 1 1 1 1 1	1 1 1 1 1	2	1 1 1 1 1	-	11111	- 111-	2 1	2 2 1 - 2	
$ \begin{array}{c} \text{Upper Holloway} \\ \text{$WWWWWHH}$ \end{array} \right\} \text{N.} \\ \text{Islington South-west}  H - \text{N.} \\ \text{Islington South-east}  - \text{N.} \\ \text{Highbury}  HH  -  - \text{N.} \end{array} $	98,273 107,365 66,549 64,577	35 54 42 31	50 24 18 27	9 5 - 3	14 6 5 14		2 1 -	-	- 1 - 1	1		1	1 1 1 1	1 1 1 1	1 1 2	7 1 1 2	44
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. &N. South-east Hackney $WwH$ E. &N.	33,485	$   \left\{     \begin{array}{c}       20 \\       28 \\       28 \\       38 \\       38     \end{array}   \right. $	9 10 16 26 25	1 4 5 8 7	5 3 6 7			- 1 -	- 4 - 1	1111		- 1 - 1	1 1 1 1	1	1 - 4 1	1 5 2	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Dist than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Frivate Lunatic Asylum in which paupers rezeived. The Roman capitals signify the Water Companies which supply the different Sub-districts:—C. sign 3rand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth: N. River; E. East London; and K. the Kent Company.

See note † on first page of this Return.
† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, and vre-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each in-control during the Week ending Saturday, 4th November, 1899—continued.

B-DISTRICT during the We	ek endin	g Satu	ırday,	4th	Nor	7em	ber,	1899	9 <u></u> ċ	onti	nue	d	'					
							Tì	e DE	ATHS	regis	tered	duri	ng the	Wee	kinel	lude		
	Enume-			Dea	ths of	-				Deatl	ns fro	m					utions	of
HETRATION SUB-DISTRICTS	rated Popu- lation. 1896.	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age.	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	Scarlet Fever,	Diphtheria,	Whooping-cough,	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhosa,	Violence	InquestCases	Deathsin Public Institution	Uncertified Causes
CENTRAL DISTRICTS.	29,086	20	13	1	5	_	2		_		_			_		1	2	
es North H N.	9,151	5	1	-	1	-	~	-	-	-	-	-		-	-	-	-	-
rtin-in-the-Fields HHN.&C. 1 WHH N. Union Workhouse, Edmonton	13,077 11,839 +1,037	2 2 -	7 8 2	1 1 -	1 1 2	- 1 -	1 - 1			1 1 1			-	1	1 -	2 -	262	
rn wHHHHHH - N.  ass Clerkenwell - N.  ill Clerkenwell - N.  oll -	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	11 9 23 11 32 2 2	14 5 11 4 13 1 1	4 1 6 1 1	1 2 4 1 3 -	1 1 1 1 1 1 1 1	1111111	1111111	1		1 1 1 1 1 1 1 1	1111111	1111111	1	1111111	111111111111111111111111111111111111111	7 - 3 - 2	
tolph: HH N.&E. legate N. pulchre WH N. lows Barking N. London Asylum, Stone	9,762 3,299 9,591 9,059 †388	6 1 1 - -	5 1 7 - 2	1111	1	11111		-	-		1111	1 -	-	11111	11111	1 1 -	7 2	
EAST DISTRICTS.  ditch South $Hl$ - E. & N.  n New Town $w$ - N.  n Old Town N.  uston $WH$ - N. & E.	17,975 29,575 27,645 47,163	18 16 21 26	8 15 15 26	5434	2 5 3 4	111	- - 1			1 2 -		1 1 1		ī -	2 - 1 1	3223	- 4 - 5	1111
al Green North $H$ - E. al Green South - E. al Green East $WHl$ - E.	49,301 34,194 45,667	45 30 21	13 9 32	4 3 6	1 1 12		- 1	-	1 -	_ 1 -	-	-	-	1 1 1	1 -	2 -	1 - 18	
fields E.&N. and New Towns $WH - E$ . and Fields E.	26,681 } 51,995 {	20 29 18	7 36 2	3 4 1	2 5 -	-	-	-			-	1 2 -		ī	3 -	2 6 -	33	
orge, North E.	39,576 7 930	34 3	11 12	8	1 3	-	ī	-	-	-	-		-	-	-	1 -	10	
rell H = - E.&N. ff W = - E.	10,434 14,954 32,917	3 6 24	4 6 7	3 - 1	222		-		-		-	-	-		1 -	1 1 1	3 -	
$\{ egin{array}{ll} \operatorname{nd} \operatorname{Old} \operatorname{Town} \operatorname{West} & H & \operatorname{E.} \\ \operatorname{nd} \operatorname{Old} \operatorname{Town} \operatorname{East} \} & - & \operatorname{E.} \\ ww & & & & & \end{array} \}$	} 111,060	{ 56 32	24 18	7 1	3 5	-	-	-	ī	-	-	-	-	-	ī	1 3	5	
ley wwwH E.	41,687 69,821 57,759	29 58 35	18 32 19	7 5 7	2 10 3	-	1	1		- 1		1 -	-		1 2 -	3 6 1	21	111

he Sub-Districts of St. George'Bloomsbury and St. Giles South were united on 1st November, 1899, and re-named
Bloomsbury and St. Giles South.
† Population in 1891, not included in the total population of the Central Districts or of London.
‡ The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.
aitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox, Me. Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in Sub-District during the Week ending Saturday, 4th November, 1899—continued.

SUB-DISTRICT during the Wee	ek ending	Satur	uay,	± ULL .	LYOV	51110	, 1	.000		-	-					
proper and 200 miles and	- 540 5					1"	Thel	DEAT	HS reg	istere	ed du	ring t	he W	ekin	clude	
	Enume-			Deat	hsof				De	eaths	from	-				
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATHS.	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	ScarletFever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	InquestCases.
SOUTH DISTRICTS.	-Hith sales CLadymental															
Christchurch Southwark WHL.&S. St. Saylour Southwark - S. Kent-road - S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	7 4 21 16 9 22 47 30	9 2 2 8 6 9 14 13	12 - 3244	2 1 3 1 2 2 4	1111111	1 1 1 -	1,111111			111111	-	111111	ī - - 1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1 3 1 1
St. Olave $WH$ S. Bermondsey $W$ S. & K.	11,731 85,475 40,379	5 67 25	19 35 20	3 12 3	587		3 -	1 -	1 -		1.1.1	2 1	-	- 1	5 2	5 - 4
Waterloo-road HH - L. & S. Lambeth Church 1st H - L. & S. Lambeth Church 2nd WW L. & S. Kennington 1st H - S. & L. Kennington 2nd - S. & L. Brixton w - L. & S. Norwood WH - L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	28 18 26 49 16 35 12	12 11 25 12 11 19 9	5135453	- 1 7 1 3 5 3	111111	1	111111	1 1	1	111111	- - 1	1,1111	101011	1	
East Battersea S. West Battersea WwH - S. Clapham H S. Wandsworth WHHL - S. Putney S. Streatham WwwwwL - L.	71,730 93,385 46,953 58,101 20,566 61,644	52 61 19 36 12 30	19 38 13 17 6 23	37-723	1 16 4 4 3 4	1 1 1 7 1	2 1 2	- - - 1	1 1 - 3	2	11111	1 1 1 1 3	11111	1 2	1	3-12-1
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 41 56 47	58 28 13	9 13 2	1 17 4 3	-	ī - -	-	1 1	1111	1111	1 1 1 1	1111	1111	2	51
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	40 38 16 14 27	7 22 4 6 36	2 8 1 1 8	52 - 9	11111	1 - 1	11111	3 - 1	1111		3 -		11111	1 - 2	- 1 1 1 2
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	1 12 27 10	2 5 16 4	2	241	1111			4	ī	-	1 1 1 1	1	1 1 1 1	1	
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	21,959 16,714	8 7	8 6 5 2 10	1	$\begin{bmatrix} 2\\2\\1 \end{bmatrix}$	-		1 1 1 1 1	1 1 1		11111	1		1	11111	11111
Banstead Asylum Horton Asylum, Epsom Cane Hill Asylum Cane Hill Asylum		HILLIAN FR		-	2					1111111111111			11111111111	1	111111,111111	111111111111

.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSF, SPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ling Saturday, 4th November, 1899.

BEGISTRATION SUB-DISTRICTS  ON-OUTER RING  arshalton H psom, part of * WwHH - codstone, part of * W - troydon WwHHH litcham w	Area in Aores.    368,749   12,228   10,423	Enumerated Population, 1891.	BIRTHS.	DEATHS.	under I of Age.	aged 60 square &				Death	s from	n				blic	Res
ON-OUTER RING - larshalton H lepsom, part of * WwHH - lodstone, part of * W - roydon WwHHH	368,749 12,228 10,423	rated Popu- lation, 1891.	BIBTHS.	DEATHS	ts under I ar of Age.	ged 60 upwds.					gh,					blic	Bes
arshalton H	12,228 10,423	1,422,063	i	11	Infants	Persons a Years &	Small-por.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death
codstone, part of * WwHH - codstone, part of * W - coydon WwHHH	10,423		1142	497	123	121	-	11	5	19	2	12	4	20	36	66	7
odstone, part of W -	1	26,108 12,508	12 9	10	1	4	-	-	-		-	1	-	1	1	-	-
roydon WwHHH	2,754	1,598	1.	-	-		-	-	-	-	-	-	-	-	-	-	_
	20,851 11,697	128,699 23,072	77 18	48	12 4	20	-	-	-	ĩ	1	1 -	1 -	2 -	5 -	9	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	28 18 6 8 14	7 9 4 4 5	1 1 1 1	2 3 - 1		1	1111	1111	1 - 1 - 1 - 1			1 1 = -	1 1 1 -	2	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2,160 2,823	25,389 16,159	12 9	12	2 1	5 -	-	1 -		-	-	-		3 -	4	5	-
HHH	9,127 6,542 14,307	23,815 21,969 20,372	9 8 10	8 2 3	3 -	1 1		1 1 1	-	1		1 1 1	-	1 -	1 -	2 -	
exley HHH artford WH, part of * -	12,540	<b>30,</b> 590	31	12 2	1	4	-	-	-	-		, <del>-</del>	- -	-	-	2	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	11,054 13,277	13,671 13,221	12 10	8 4	- 1	4 3	-		-	-	-	-		1	1	- 2	1
illingdon WHH xbridge ayes wH	6,035 12,757 7,952	12,237 7,253 11,051	10 2 8	5 1 1	1 -	2 -		-	-	-			1 1 1	1	1	1 1 1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	12 15 15 16 20	5 3 14 11 9	1 2 5 1	- 1 4 1 3	11111	2 1	- - 1	1		1111	11111	- 1 -	1 1 1 1	2 - 2	- - 1
arrow HHH dgware HH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	10 3 65 7	4 1 17 5	- 4 -	1 2 3	- 1 1 -	-	- 1	1.1.1.1	1 1 1 1	-	1111	1111	- 2 -	- 2 2	1
outh Mimms HH arnet WHH anchley HHH	} 21,077 4,688	6,367 14,152 25,820	3 9 10	5	- 1	- 2	-	-	-	-	-		1, 1, 1,	1	- 1	-	
ornsey $HH$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	35 81 43 28 4 4	12 32 21 10 -	3 12 5 3 -	1833-	11111	1	1 1	- - 1 -		1	11111	1	- 2	7	111111
atfield, $part of * W$ ushey $H$ atford $WH$ , $part of * -$	3,306 9,331	582 7,737	5	2	- 1	-	-	-	-	-	-	-	-	-	-	-	-
ratford H	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	37 66 62 35 55 78 72 2	16 31 25 17 20 43 21 4	3 12 8 5 4 14 4	2 2 3 5 6 6 9 1 2	1111111	1 2 1 1 1 1	1111111	- 4 2 - 3 1 2	1	1 3 1 - 2	1 2	11111	111321	4 1 1 16 - 2	111
omford, part of * WH - lord - wking Town, H W. Fever Hospital.	6,556 8,493 3,814	4,324 10,913 14,301	20 14	5 2	11	-	1 1 1 .		-			1		- 1	1 1	-	111
Hampstead, Didon Fever Hospital, Islington, iddlesex County Asylum, Wandsworth. Fever Hosp., Fulham			-	1 1 1	-	~	-	-	1	1	-	-	-	-	-	1 1 1	1 1 1

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS an Rate of MORTALITY during the week ending Saturday, 4th November, 1899.

						1						***			
				L RATE			The DE	HTA	8 regi	stere	linti	1e We	ek ind	clude	
"	Area	Population estimated		O living.	DEATHS	Dea	ths of				Deatl	as fro	m		
GREATER LONDON,	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	-
Cols.	1.	2.	3.	4.	5.	6.	:7.	8.	9.	10	11.	12.	13.	14	1
GREATER LONDON	443,421	6,528,434	17.0	1.6	2123	475	542	_	44	12	58	16	41	26	7
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	18 <sup>.</sup> 6 13 <sup>.</sup> 1	1.6 1.4	1626 497	352 123 -	421 121	-	33	7 5	39 19	14	29 12	22 4	5 2

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equival the area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

		a	на .	ın certain	FOREIGN	OITIES.						
						4	DE.	ATHS	FROM	PRIT	NCIPAI SES.	L ZY
CITIES	POPULATION (enumerated	DATE OF RETUI	IN.	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE	00%.	98°	et L.	eria.	Whooping- cough.	12
OIIIES.	or estimated).	Week endi	ng	Exclusive	of Stillborn	per 1000 -	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	oobloo	Fever.
							Sme	Ä	00 F4	Dip	Wh	1
EDINBURGH -	298,927	Nov.	4	137	104	18.1		2	. 2	3	3	1
GLASGOW	733,903	,,	4	474	284	20.2	_	15	7	3	1	4
DUBLIN	349,594	"	4	225	216	32.2		38		3	2	2
	466,460	Sept.	30	_	_	_					_	_
OALOCIII ;	821,764	Oct.	10	259	785	49'7	3	7	. 3	?	?	240
BOMBAY MADRAS	452,518	Sept.	29	420	316	36.3	1	5	9	p	?	71
1					925		-	3	. 1	6*	3	13
PARIS	2,511,629	Oct.	28 28	1138 236	171	19·1 15·9	-	1	1	6* 2*	3 1	15
BRUSSELS	561,130	>>						1			1	
AMSTERDAM -	517,595	,,	21	295	129	12.9	-	-		2	-	1
ROTTERDAM -	315,305	33	21	233	76	12.5				-		
THE HAGUE -	199,285	11	21	110	54	14.1	-	- 1	1	-	-	-
COPENHAGEN -	349,000	>>	28	148	109	16.3	-	-	3	1	3	-
STOCKHOLM -	291,580	,,	21	141	83	14.8		-	1	5*	1	-
CHRISTIANIA -	221,255	,,	28	187	52	12.2	-	~	-	-		-
ST. PETERSBURG	1,132,677	22	21	575	426	19.6	-	. 9	6	21	3	11
Moscow	988,610	,,	21	540	445	23.5	-	-	4	. 8	2	4
BERLIN	1.818.517	Sept.	30	_	_	_	_	-	_	_	_	_
HAMBURG	675,351	Oct.	28	-	198	15.2	_	-	_	3*	4	_
DRESDEN	397,300	Sept.	30	4	-	_	_	-	-	_	-	-
BRESLAU	406,012	Oct.	28	-	169	21.7	-	4	. 1	3	2	-
MUNICH	445,000	***	28	-	175	20.5	- '	-	-	2*	1	-
VIENNA	1,623,134	,,	21	914	500	15.9		3	3	6*	1	2
PRAGUE	384,622	17	21	174	158	21.3	-	_	4		1	2
BUDA-PESTH -	666,722	,,	21	458	243	19.0	-	3	14	_	1	4
TRIESTE	166,599	,,	14	114	79	24.6	-		4	2*		-
ROME	508,779	,,	7	229	165	16:9	_	_	-	040	_	11
TURIN (10 days)	344,203	Sept.	10	210	141	15.0	-		_	_	1	3
VENICE	172,288	Oct.	14	- 79	65	19.7	-		_	29	_	2
CAIRO	570,062	Sept.	9	432	346	31.6	_	9		6*	_	9
ALEXANDRIA -	319,766	,,	9	201	182	29.6	1	_	_	_	1	4
NEW YORK							1					
(including	3,550,053	99	30	1218	1080	15.9	-	9	2	20	11	16
BROOKLYN) PHILADELPHIA-	1,266,832	Oct.	14	-	382	15.7	_	_	3	17	4	4
1	·			11	,							

Including deaths from croup.
 Including 133 deaths from plague in Bombay and 1 in Alexandria.
 Including 5 deaths from malarial fever.

								_													0
	Ozone,			99	0.0	0.2	2.0	1.5	2.0	2.0	1 96	808	dind	ears the	r is	bles,	ment 5.	eter,	ent,	eek lst; A.M.	to to
collected in a	whose receiving	surfaceis 5inches above the Ground.	ii.	0.54	0.00	0.00	0.30	0.42	29.0	Sum	101	ol of the	The means of	f correct wenty y 1868 for	momete 1 minin 1mn 8).	m the m rical Tal	l moven ing 1875 higher,"	lectrome modera	Instrum	of the west of the state of the	ncreased
	30n's.	Depar- ture from Average of		+ 100	+ 29		9	+393	+128	Sum	100	ean leve	el. P.M. T.	ation of ng the t	air (colt	uced fro ygromet nof the	ears end icates "	of the the ring Elak; m.	nshine]	inning ( M. on O 29'45 in.	7; and i
	Robinson's.	Horizontal Movement of the Air on each	Miles.	434	335	280	345	670	406	Sum 9841	1207	nidnight re the m	sea leven, and 9b	e applicade duri	g of the dry bulb thermometer is of the maximum and minimum perature of the air (column 8). The	sher's H iscussio	the 16 y at + ind	exerror lf-regist	tokes Su ay.	the beg. I by 8h. I ased to	ame day
-	91	Mean of 24 hourly obs.	lbs.	0.1	0.3	0.5	0.3	19	2.0	1:	1 00	tabor	nce tc h.P.M thern	by th ds ma venty	of the f the eratu	nidity y Glai om ad	and the	heind n's se ative	bell-S	ol incre	s ao .
	Pressure on the Square Foot,	Least, h	1bg.	0.0	0.0	0.0	0.0	0.0	0.0	1:		idnigh 159 fee	to red oon; 3 bulb	ratues recor	ding on the contract of the co	of hur ters b yed fr	recordin mi	dfort.	Camp'e on e	2nd;	п. Р.М
	Pressu Squa	Great.	1bs.	7.5	4.6	3.4	9.9	0.25	13.0	:	18	om m	dings .M.; n	raphic rring	an reg readi: alue of	egree mome at deri	metric borne	rrecte om Th	n the	crease ember	, Dy 4
Osler's,	irection,	P.W. 9	A WAR	NNW.	SW. W.,SW.&	SSW. S., SSE.	S. & SSW.	SSW. & W.	SSW.	W.	19	vil day, or fr	ed to the rea aken at 9h. A	into mean it the photogreter, and dr	orrected mes lean of the nean daily v	rature and d vet bulb ther f the air isth	of the anemo	17 arenot co is derived furi-P. positiv	derived from	ober 30th; in P.M. on Nov	1 10 23 21 III
	General Direction.	A.M.			& NNW. SW. &			SW. &	Variable & SSW.	SSI	18	The results apply to the civil day, or from midnight to midnight.  The height of the cistern of the barometer is 189 feet above the mean level of the sea	to correction has been applied to the readings to reduce to sea level.  Observations are usually taken at \$\text{s}_1 \text{A}\text{A}_1\$, inoon; \$\text{s}_1\$, noon; \$\text{s}_1\$, noon; \$\text{s}_2\$, incomparing the west bulb the parameter, the dry bulb thermometer, and the west bulb the parameter of the west bulb the parameter.	and another, are country then they make a feath y anises by the application of corrections deduced from a discussion of the photographic records made during the twenty years chaing 1875 for the barometer, and during the twenty years ending 1868 for the pharmoneters.	combined the corrected mean readings of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum mean manual properties, forming the mean daily value of themperature of the air (column 8). The	mean daily twe Wonfur temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by diaisher's Hygrometrical Tables.  The everagetemperature of the air is that derived from a discussion of the observations made or the conversity.	Are as a recover with until gone by verificating EMM; and that of horizontal movement of the air from a discussion of the an encometrior ecords for the 16 years ending 1875.  In reading columns 8 and 24 it will be borne in mind that + indicates * higher,* and * in the same of the s	The valuesgiven in column 1 are not corrected for the index error of the thermometer, which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderater.	s. storus, and v. variables. The numbers in column 25, derived from the Campbell-Stokes Sunshine Instrument, the numbers in column 25 derived from the Campbell-Stokes Sunshine Instrument, The reading of the heavened of the column of the heavened from the column of the heavened from the column of the heavened from the column of the heavened from the column of the heavened from the column of t	to 29.40 in. by 71. A.M. on October 30th increased, in 18 the Degramme of the week decreased to 29.40 in. by 71. A.M. on October 30th increased to 30th in. by 8h. P.M. on October 31st; on November 21st; increased to 29.45 in. by 4h. P.M. on November 21st; increased to 29.45 in. by 4h. A.M. on November 21st; increased to 29.45 in. by 4h. A.M.	29.49 in. by the end of the week,
	Of the Earth	below the Surface,	0 23:39	53.95	53.60	53-29	52.89	52.90	52.93	53.27	17	esults ar	vations	lfrom a 1873 for	ed the meters, f	lues of	ir from ging co	aluesgivannot becord of	ambers:	in, by 71 ed to 29 ember 3	by the e
ĵ0	ation	Lowest on the Grass.	46.1	36.5	32.9	35.4	44.0	47.0	48.4	41.5	16	The r The h	obser Obser the eye	deduce	combin	daily ve Thear	of the a	The v which The r	Show the r	to 29.40 decrease	29.49 in.
		Highest in Sun's Rays.	83.5	61.1	95.0	105.2	85.2	85.2	73.5	84.1	15		after	noon;	small ess at	after-	1. A	ower oudy rain ween		very	
Degree	(Satu-	equals 100).	87	92	74	7.1	68	92	94	83	141	oż	Brisk wind after		7	east :	t rair	th a shally claused bet	rain g		
9.71	1	Least.	0 1.9	0.0	3.3	6.0	1.7	1.5	9.0	1.4	13	MARK	Brisk	t rain of cl	y fine,	a	frequent rain.	ing, with a shower of partially cloudy with frequent rain of wind between	ld. rain in mo slight rain	at n	
and Dew Point	- Interese	Great.	0.9	7:4	13.2	14.1	5.2	11.8	4.4	0.6	12	L REI	rain.	equen	; ver	. P.M.	st; fr	ly mornir; fine and vereast, w	Mild. savy ra tent sli	y wind	
pus and	-	Mean daily value,	0.4	2.1	6.2	6.8	3.5	2.2	1.9	5.1	12	GENERAL REMARKS	Cloudy; frequent rain, h. A.M. Mild.	with frequent rain till arge amounts of cloud	ards. Cloudy till 3h. A.M.; very fine, nounts of cloud afterwards.	fine till 10h.	Generally overcast; ary mild day,	M.; fir y over	overeast, with heavy rain in morning; ondy, with frequent slight rain after-	Strong gusty wind at night.	
Of the	point.	Mean daily value.	52.8	45.2	40.5	41.0	2.4.2	46.6	55.8	48.1	10	GE	ly; fre	ast, w ith la	y till g	fine t	ally cald	y in ( Om. A. rnoon	and 9		
	De-	parture from Average of 50 years.	0 +		+ 1.6	+ 3.2	+11.4	8.1 +	+11.6	4 6.5	6		Cloudy 11h, A.M.	Overcast, with frequent rain till fine, with large amounts of cloud	wards. Cloudy till 3h. A.M.; very fine amounts of cloud afterwards.	night. Very wards.	Generally overy mild day.	Cloudy in early morning, with a shower at 0h. 30m. A.M.; fine and partially cloudy till afternoon; overeast, with request rain after 5h. P.M. A gale of wind between	9h. A.M. a Overca cloudy,	wards. mild.	
ılr.		Mean daily value.	56.8	47.3	48.4	49.9	6.29	54.1	2.7.2	53.5	100	Sun above Horizon, in hours.	8.6	2.6	2.6	9.6	9.2	9.5	9.4	Sum 67.2	29
Of the Air,		Daily Range.	0 8:2	13.7	13.8	17.0	8.5	10.1	13.2	12.0	7	red Sur ine Hc rs. in								1	-
		Low- est	52.8	44.4	41.2	40.0	53.6	48.9	48.8	47.1	9	Registered Sunshine in hours.	1.5	0.1	2.8	8.7	0.4	4.1	0.5	Sum 22.5	28
		High- est.	0.19	58.1	22.0	0.29	8.19	0.69	62.0	1.69	5		out -	- jnc	out -	- nnc	nder	and sond	fter-		
Mean	reading (cor-	and reduced to 32° Fahren-heit).	in. 29·744	29.633	29-938	29.728	29.397	29.368	29.481	29-613	4	Electricity. (For explanation of symbols, see Note.)	w. P. throughout	w. P. throughout	w. P. throughout	w. P. throughout	Instrument under ljustment.	Register w. P.; w. P.	und w. N.		27
Phases		Moon.	:	In	Equator.	:	:	New	:		3	ELE (For ex symbol	w. P. t	w. P.	W. P.	w. P. 1	Instrumen adjustment.	No Register to noon; w. P. to Sh. P.M.; w. P. ar w. N. afterwards.	w. P. and w. N. till 5h. A.M.; w. P. after-	west dis-	
		a	73	30	31	-	6.7	က	4	ı	- 4		29	30	31	Н	c)	ಣ	4		1
1899.		DAY	OCTOBER.	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. OCTOBER.	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
_	_		Sc	Ä	Ez	WE	TE	FE	SS	Ä	ž		Su	ğ	F F	45	TE	H	SZ V		

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1899.

### OFFICIAL COPY.

#### WEEKLY RETURN

#### DEATHS BIRTHS AND IN LONDON

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.O.

No. 45. 1899. Vol. LX.] WEEK ENDING SATURDAY, NOV 11. [Price 11d.

> General Register Office, Somerset House, November 13th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 18.0 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	endin	g	١			7	Veeks	endin	g
Towns.	Oct. 21.	Oct. 28.	Nov.	Nov. 11.		Towns.		Oct. 21.	Oct. 28.	Nov.	Nov. 11.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford -	16·8 19·5 19·7	20·5 17·7 19·0	19·5 17·4 25·7	18.0 19.0 19.4 24.3 16.1 16.8	II	Leicester - Liverpool - London Manchester - Newcastle-on-Tyn Norwich -	- - e	28·4 18·0 23·6 20·3	14·9 27·7 21·1 24·4 20·8 13·4	18·6 21·6 19·8	25·1 17·3 19·3 16·6
Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield-	13·1 23·7 19·4 15·2 9·8 10·8 21·0 16·0	29·7 18·9 10·1 12·7 12·7	23·6 14·8 13·5 13·9 11·3 21·5 16·5	14·0 24·9 16·1 16·6 10·2 10·3 15·7		Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea -		15·9 17·3 22·3 15·9 18·6 24·4 20·6 20·1		17.6 18.7 16.1 15.6 21.3 22.9 21.5 19.0	18·3 19·7 17·6 17·2 18·6 19·4 16·5 18·6
Hull Leeds	16·9 19·3		18·7 17·8			West Ham - Wolverhampton	-		18·9 19·4		

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1.1 in Bradford and in Hull, 1.2 in Salford, and 2.7 in Birkenhead; from scarlet fever, 1.0 in Oldham; from whooping-cough, 1.0 in Salford; and from "fever," 1.2 in Wolverhampton, in Blackburn, and in Sheffield, and 2.0 in Nottingham. In none of the thirty-three towns did the death-rate from diarrhæa reach 1.0 per 1000. The 135 deaths from diphtheria included 68 in London, 10 in Sheffield, 7 in Leeds, 7 in Leicester, 6 in West Ham, 6 in Liverpool, 5 in Portsmouth, 5 in Birmingham, 5 in Manchester, 5 in Blackburn, and 3 in Brighton. Two deaths from small-pox were registered in Hull, but not one in any other of the thirtythree towns.

LONDON.

In Londont 2711 BIRTHS and 1506 DEATHS were registered. for increase of population, the births were 28 above, and the deaths 156 below, the average numbers in the corresponding weeks of the last ten

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

years. The annual death-rate per 1000 from all causes, which had been 18.0, 21.1, and 18.6 in the preceding three weeks, further fell last week to 17.3. During the four weeks ending on Saturday last the death-rate averaged 18.8 per 1000, being 0.5 per 1000 above the mean rate in the corresponding

periods of the ten years 1889-98.

The 1506 deaths included 42 from measles, 14 from scarlet fever, 68 from diphtheria, 11 from whooping-cough, 51 from enteric fever, 13 from diarrhoa and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 199 deaths were referred to these diseases, being 17 above the corrected average weekly number.

The deaths from measles, which had been 26, 34, and 33 in the preceding three weeks, rose last week to 42, but were 3 below the corrected average; 11 cases belonged to Battersea, 5 to Lambeth, 5 to Fulham, and 5 to Bethnal Green sanitary areas. The deaths from scarlet fever, which had been 6, 14, and 7 in the preceding three weeks, rose again last week to 14, but were 9 below the corrected average. The deaths from diphtheria, which had been 60, 59, and 39 in the preceding three weeks, rose again last week to 68, and were 16 above the corrected average; 7 cases belonged to Islington, 6 to Camberwell, 6 to Lewisham, 4 to Fulham, 4 to St. Pancras, 4 to Poplar, 4 to Lambeth, 3 to Mile End Old Town, 3 to Paddington, and 3 to Kensington sanitary areas. The deaths from whooping-cough, and 3 to Kensington sanitary areas. The deaths from whooping-cough, which had been 6, 10, and 14 in the preceding three weeks, fell again last week to 11, and were 12 below the corrected average. The fatal cases of enteric fever, which had been 15, 40, and 29 in the preceding three weeks, rose again last week to 51, and were 31 above the corrected average; 5 cases belonged to Hackney, 4 to Fulham, 4 to Mile End Old Town, 3 to Bethnal Green, 3 to Limehouse, and 3 to Battersea sanitary areas. The deaths from *diarrhæa*, which had been 25, 17, and 22 in the preceding three weeks, fell again last week to 13, and were 5 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 306, 477, and 418 in the preceding three weeks, further fell last week to 325, and were 66 below the corrected average. The deaths attributed directly to influenza numbered 14, having been 5, 18, and 19 in the preceding three weeks.

Different forms of violence caused 75 deaths, concerning all of which inquests were held. Of these 75 deaths, 5 were cases of suicide, while the remaining 70 were attributed to accident or negligence. Five of these were referred to vehicles in the streets, 10 to burns and scalds, 5 to drowning, and 13 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3564 cases of scarlet fever, 1692 of diphtheria, and 426 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 328 cases, against 447, 414, and 331; of diphtheria, 218 cases, against 269, 259, and 230; and of enteric fever, 79 cases, against 50, 44, and 103.

GREATER LONDON.

In Greater London 3,860 births and 1,978 deaths were registered, corresponding to annual rates of 30.8 and 15.8 per 1000 of the estimated population. In the Outer Ring 5 deaths from measles, 3 from scarlet fever, 18 from diphtheria, 2 from whooping-cough, 9 from "fever," and 9 from diarrhea were registered. Twelve deaths from diphtheria and 5 from "fever" occurred in West Ham District.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.65 inches, and that of the Thermometer 50.9; the latter being 6.4 above the week's average in the 50 years 1841-90. The direction of the wind was south-westerly, the horizontal movement of the air being 7 per cent. above the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 20.9 hours; the measured rainfall amounted to 2.33 inches.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

### RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of October, 1899. The supply was in the ratio of 230 gallons to one service.

COMPANIES.	Number o	f Services.		ly of Water llons.
	OCTOBER,	OCTOBER,	Остове <b>в</b> ,	OCTOBER,
	1898.	1899.	1898.	1899.
TOTAL SUPPLY	869,014	891,848	203,746,355	205,396,316
From Thames From Lea and from other Sources -	417,655	426,634	114,053,048	110,297,334
	451,359	465,214	89,693,307	95,098,982
THAMES.  Chelsea	38,085	38,343	12,078,842	12,661,312
	83,159	84,796	21,372,626	20,966,901
	122,069	123,347	32,276,124	31,347,760
	63,277	65,382	19,902,256	19,945,000
	111,065	114,766	28,333,200	25,376,361
LEA AND OTHER SOURCES.  New River	165,342	168,207	38,967,509	37,659,472
	197,176	204,193	34,202,000	40,447,477
	88,841	92,814	16,523,798	16,992,033

Note.—The Return for October, 1899, as compared with that for the corresponding month of 1898, shows an increase of 22,834 services and of 1,649,961 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING OCTOBER, 1899.

Government Laboratory, Clement's Inn Passage, Strand, London, W.C., November 1, 1899.

SIR,

I have to report to you the results of the chemical analysis and physical examination of the waters supplied to the Metropolis during the month of October, 1899.

In order to preserve the continuity of the records and to facilitate comparison, I have considered it desirable, for the present at least, to present these results in the manner adopted by the late Sir Edward Frankland.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December. 1876, as unity, the proportional amount contained in an equal quantity of water supplied by each of the Metropolitan Water Companies was:—Kent 0.9, New River 1.1, East London, Chelsea, and West Middlesex 2.4, Grand Junction and Lambeth 2.5, and Southwark 2.6.

The water delivered by the five Companies drawing water from the River Thames was, in

every case, clear and of good chemical quality.

The water abstracted from the River Lea by the New River and East London Companies was, after storage and filtration, delivered in a clear condition. The water of the New River Company was, chemically, but little inferior to that of the deep-well water of the Kent Company; and that delivered by the East London Company was similar in quality to that supplied by the Thames Companies.

The water of the Kent Company was clear and of a high degree of organic purity. Seen through a stratum two feet deep, the Kent water was colourless, the New River nearly colourless, and the remaining waters very pale yellow.

I am, Sir,

Your obedient servant,

T. E. THORPE,

The Registrar-General, Somerset House, W.C.

## Analysis of Metropolitan Waters.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

	COMPANIES.	Date  and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen.	Chlorine.	Total Hardness.
	THAMES.		0								
	Chelsea	- Cab Rank, Horse Guards, Whitehall.	11.5	23:80	121	.018	0	.131	.149	1.8	15.4
	West Middlesex	October 17th. Cab Rank, Riding House-street.	11.7	23.72	128	.016	0	159	175	1.8	15.6
	Southwark -	October 17th. Cab Rank, St. George's Church, Borough.	10.8	25.76	.131	.023	0	186	-209	1.8	16.9
	Grand Junction	- Cab Rank, Portman- street, Oxford-street.	10.8	25.36	124	.026	0	-209	*235	1.8	16.3
Inner Circle.	Lambeth	- Cab Rank, St. George's- road, Southwark.	11.2	26.48	·122	.026	0	194	-220	1.9	16.6
nner	LEA.										
Ï	New River -	- Cab Rank, Tottenham Court-road.	10.3	32.98	.050	.014	0	256	•270	1.9	19 <b>·1</b>
	East London -	- { October 17th. Cab Rank, Sidney-street, E.	11:3	29.88	.125	.018	0	•179	197	2.0	16.7
	DEEP WELL.	- { October 17th, Police Station, Blackheath-road.	}   12.5	39.48	.044	*007	0	•440	*447	2.3	24.0
	Çolumn 1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.

All the numbers in columns 4,5,6,7,8,9,10, and 11 related to 100,000 parts of the waters. The Table is to be read thus:—The Chelsea Company's water, collected on the 17th October at the Horse Guards cab rank, had a temperature of 11.5° C.; 100,000 lbs. of it contained 23.80 lbs. of solid matter in solution; the organic substances, constituting a portion of this matter, contained 121 lb. of carbon and 018 lb. of nitrogen. The above quantity of water also contained no ammonia and 131 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was 149 lb. The above weight of water also contained 1.8 lbs. of chlorine, and 15.4 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

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CITIES	AND BOROUGH:		Cols.	33 TOWNS.	LOWDON	Writing H	Orogram.	OROYDON.	Donastorm.	PLYMOTTH	Prismor H.	CAPPIER.	SWANSEA	TWO THE PERSON	PIDMINGH AND LON.	Normingham,	LEICESTER.	NOTTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	OLDHAM.	BURNLEY.	PRESTON	Hunnandarat n	HALTEAY +	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
	Centi- etres.	u uı	24.	4.42	60.0	200	00.0	8.00	8.07	0 1	5.08	3	!	1.79	2 1	2.86	3 1	1.90	1	1	1.00	1	ı	1	1	ı	1	9.99	1	1.80	1	1	1	1	1	,
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Week's Deaths	IIA m		17.	18.0	17.9	14:1	1 #1	14.0	17.0	17.6	24.9	16.6	11.1	0.06	19.4	17.5	20.5	18:3	10.3	19.0	25.1	1.91	19.3	19.4	1.6.1	24.3	18.6	13-1	10.7	8.91	20.5	16.5	1.91	9.81	15.7	9.91
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. 1999.	BIRTHS, DEATHS.		22.	3936	1506	81	25	33	63	34	153	59	23	34	192	38	83	84	7.	42	305	000	102	70 24	3 65	63	42	26	20	92	164	114	72	20	22 82	
HILL IN	ВІВТИЯ		સં	6738	2711	151	73	58	110	58	202	107	24	53	344	69	102	121	JG.	19	394	TA	200	72	2 6	08	95	53	53	113	280	253	148	101	126	
estimated	middle of the Year 1899.*		1.	11,404,408	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	185,820	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,231	543,902	7507779	113 081	135,154	117,622	103,464	97.721	236,241	423,889	361,169	234,270	145,613	200,001	
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CITIES	BOROUGHS			33 TOWNS	- LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH	LEICESTER -	9	DEREY -	BIRKENHEAD	LIVERPOOL -	BOLTON	MANCHESTER	OTDHAM -	BURNI,EY -	BLACKBURN-	PRESTON -	HUDDERSFIELD	HALIFAX† -	BRADFORD† -	LEEDS		HULL - LIUE	GATESTEAND	NEWCASTLE -	

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-FIFTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.**	1899
TOTAL Births  Males Females	2659	2173	2456	2435	2659	2657	2525	2736	2507	2696	2683°2	2711
	1339	1110	1266	1246	1378	1367	1314	1384	1221	1348	1364°9	1380
	1320	1063	1190	1189	1281	1290	1211	1352	1286	1348	1318°3	1331
TOTAL <b>Deaths</b> -  Males  Females	1350	1734	1590	1538	1769	1249	1790	1713	1660	1405	1662°2	1503
	676	881	817	795	901	648	910	847	861	763	852°7	- 784
	674	853	773	743	868	601	880	866	799	637	809°5	- 722

<sup>\*</sup>The numbers in this column are the average weekly numbers in the forty-fifth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in Hospitals, in the Last Thirteen Weeks

in Hostitals, in the East Thirteen Weeks.													
	Aug.	Aug. 26.	Sept.	Sept.	Sept 16.	Sept.	Sep 30.	Oct.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Nov.
TOTAL Births	2671	2646	2532	2442	2675	2531	2399	2540	2549.	2529	2495	2613	2711
TOTAL Deaths	2208	2100	1931	1934	1643	1649	1456	1564	1637	1567	1844	1626	1506
$\begin{array}{c} {\bf Ages\ at} \\ {\bf Death} \\ {\bf Death} \\ \end{array} \begin{pmatrix} {\bf Under\ l\ year\ - \ -5 \\ 5-20 \\ 20-40 \\ 40-60 \\ 30 \\ -20 \\ 80 \\ {\bf years\ and\ upward\ } \end{array} \\ \begin{array}{c} {\bf -5 \\ 5-20 \\ -2$	1043 242 88 204 298 262 71	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 363 339 83	334 214 116 219 280 274 69
Deaths from— Small pox	48 8 33 28 - 11 - 481 16	52 7 29 18 - 16 - 426 21	34 5 29 31 - 18 368 22	33 5 24 25 - 12 - 322 8	17 2 22 16 - 18 - 233 9	17 8 42 19 - 24 - 162 6	15 9 44 23 - 19 - 81	21 7 55 10 - 19 - 53 2	20 9 56 10 - 21 - 49	26 6 60 6 - 15 - 25	34 14 59 10 40 - 17	33 7 39 14 - 29 - 22	- 42 14 68 11 - 51 - 13
All the above Diseases -	625	569	507	429	317	278	193	167	165	138	175	145	199
Dis. of Respiratory System—Phthisis—————————————————————————————————	148 151 114 70 153 517	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 122 54 122 507	325 133 107 75 144 509
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	66.5 77.4 57.2	66.4 79.8 53.6	63.5 74.1 55.2	65.6 76.5 55.2	57.5 67.0 48.8	54.6 63.5 48.2	52·1 61·0 45·5	49·3 56·6 42·6	47.3 58.9 36.2	47·4 56·6 39·4	51.8 57.4 45.9	53·2 59·1 47·1	50.9 56.2 45.4
Humidity of the Air	64	63	71	70	73	68	76	86	82	82	90	83	78
Rain-fall (in inches)	0.00	0.00	0.29	0.54	0.27	0.36	1.01	0.20	0.12	0.00	1.30	1.81	2:33
Registered Sunshine (in hours)	49.4	74.8	53.4	47.5	23.5	38.3	32.5	12.2	38.9	43.3	7.8	22.5	20.9
CASES OF INFECT	IOUS S	BICKNI	ESS IN	Hosp	ITALS*	AT T	HE EN	D OF	EACH	WEE	κ,		
Scarlet Fever Diphtheria Luteric Fever	2613 1508 196	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	28·6 1487 252	3003 1519 275	3217 1595 308	3408 1659 331	3504 1700 342	3539 1715 407	3564 1692 426

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LLD., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-FIFTH Week of the Year 1899.

				E :	OKI	X-1	LIE	TH	w e	ek of the Year 1899.							MATERIAL SEC	across		
or the		Sa	In	the	Wee th 1	k en Nove	ding	r 189	9.	Battle Joseph	r the	In the Weak ending Saturday, 11th November 1899.  Deaths of Persons of the Ages								
H H Orrected Averages for 45th Week of the 10		Des	ths	of P	erso zes	nso	£			tres for the 10										
	Avera ek of 1889-9	ES Co.	U	Under		der 40.	der 60.	ler 80.	and B.	CAUSES OF DEATH	ed Averages eek of the 1869-98*,	S. S.	Under 29.			and under 40.	der 60.	under 80.	and ls.	
	Corrected 45th We	ALL AGES	0-1	1-5.	5-20.	20 and under 40.	40 and under 60.	60 and under 80.	80 years a		Corrected 45th Week	ALL AGES	0-1.	1-5,	5-20.	20 and un	40 and under 60,	and	86 years a	
	1662.2	1506	334	214	116	219	280	274	69	Diseases of Circulatory System	149.9	107		2	5	14	37	43	6	
nated† - ccinated atement	0.2 0.3 45.0 22.7	- 42 14 -	- 9 -	31 8	1 5 -	- 1 1	111111	11111	1 1 1 1 1	Croup Bronchitis	6.5 222.8 129.2 6.1 26.8	2 146 149 5 23		2 21 47 - 4	3 7 - 1	3 17 3 3	10 23 2 5	41 14 - 6		
ded and by ver - both the control of	9°3 22°9 52°4 0°2 20°0 0°3 18°0 0°1	14 -11 -68 - -51 - 13 -	2 5 5 - - 7 -	1 6 33 - 1 - 5	1 27 - 13 -	2 - 30 - - -	1 - 6	1 - 1 - 1	2	Dentition Quinsy, Sore Throat - Enteritis } Gastro-enteritis - Sore Throat - Peritonitis Diseases of Liver - Other Diseases of Digestive System	8·1 2·2 14·5 { 6·3 25·6 28·9	5 12 23 5 27 19	3 -4 15 1 1 4	2 -	1	- 2 2 1 4	- 3 2 - 12 3	1 1 2 10 5		
ffects of }	0·1 0·4 9·4 6·0	-	- - 7 1	11111	-	- 1 -	- 1 1	- - 2	1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	2:0	1	-		_	-	1	-		
pticæmia Diseases	1.8 6.2 1.3	9 4 1 5 5	1	1	-	1 4 2	ī	1		Diseases of Urinary System	49.9	51	1	1	2	4	22	18	3	
er Para-}	0.8	- 2	-	-		- 2	-	-	-	Diseases of Generative System Accidents of Childbirth	6°2 4'5	3 4	-	-		3	- 1	-	-	
ant of)	21	1	1						-	Diseases of Locomotive System	5.6	5 — ·			-	2	2	1	_	
- }	10.2	9	-	-	_	1	7	1	_	Diseases of Integumen- tary System-	6.9	8	1	1	_	2	_	2	2	
er, bf Heart }	12°0 2°5 2°7 5°3 73°0 20°5 20°1 162°8 19°6 16°9	15 1 2 4 88 12 18 133 17 11	1 - 2 - 6 8 - 4 1	- - 2 - 4 6 3 5	$10 \\ 2$	2 1 - 10 - 2 69 3 -	7 -2 -43 -43 -43 2	1 - - 33 - 8 1	1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Sealds, Explosions	53:8	3 5 2 2 1	1.11 1 11.1	- - 1 7	1	2 - 1	1 1 1 - 1	- 1 - 1		
h	50.6 3.9 7.9 46.1	50 - 8 60	50 - 8 -	-	- - -	-		29	31	By Drowning By Suffocation in Bed - By Poisonsor Poisonous Vapours Other or not stated causes		5 13 - 29	- 13 - 2	- - 1	2 - 5	1 - 4	- 6	1 - 7	4	
of Brain }	47·2 7·7 38·5 76·2	25 8 31 56	- 27 4	3		9	12 1 - 15	1 -	3 - 6	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1:3 7:0 -	- 5 -	1 1 1	111	1		2	2		
rgans of }	2.8	2	-	-	1	-	-	1	-	OTHER CAUSES	60.1	44	36	5	1	-		2	-	
in this column are the eveners weakly deaths for the ten years 1889, 48 raised by 5213 per cent, for increase																				

rs in this column are the average weekly deaths for the ten years 1889-98, raised by 5213 per cent. for increase

cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the is not certified by a registered practitioner, the case is returned under the heading "no statement." are at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of er, manulaughter or suicide. All such causes are classed under "accident."

FABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, I SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered States of the Week ending Saturday, 11th November, 1899.

SUB-DISTRICT during the We	ek endin	g Satu	rday,	llt	u No	ven	iber	, 135	99,										
				-			fhe l	DEAT	HS re	is registered during the Week include									
	Enume-			Dea	thsof	Deaths from													
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total Birtha.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Sriall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhosa,	Violence.	Twentout Cases			
LONDON -	4,411,710	2,711	1,506	334	343	-	42	14	68	11	_	51		13	75	144			
WEST DISTRICTS	778,251 1,040,694 233,635 716,334 1,642,796	415 603 135 529 1,029	252 319 97 274 541 23	41 71 21 71 127	57 96 19 57 107	11111	6 2 1 8 25	2 2 1 - 9 -	9 16 2 6 35	2 2 - 3 4		11 3 11 15		3 2 2 4 -	9 22 5 22 17	22 39 14 37 32			
WEST DISTRICTS.  St. Mary Paddington $H = -G$ .	90,996 33,510	47	25 8	4 - 10	7	-		111	1 1			1 -			1 -	4			
Kensington Town $Ww - W$ . Brompton $HH - WW - WW$ . W. & C. North Hammersmith $H = WW$ .	122,164 48,301 44,638	68 10 32	13 13	1 5	6	-		-	1	-	-	1	-	-	3	-			
Fulham Win W. & C.	59,561 113,781 21,450	36 100 8	15 50 6	$\begin{bmatrix} 2\\9\\1 \end{bmatrix}$	5 3	-	. 5	2	6	1 1 1		5	-	-	1	4			
Chelsea North WHHHH - C. Chelsea South HH C.	42,057 33,139	16 15	22 7	5 1	1		1	-	1 1	-	-	1	-	2	1 -	. 010			
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	3 23 22 6	7 15 9 3	1 - 1	3121	-	1	1 1 1 1	1111	1			1 (.1 )	1111	1 1 -				
$\left\{ egin{array}{ll} \mathrm{St.JamesWestminster} \\ \mathrm{W}H \\ \mathrm{St.AnneSoho} & HHHHH \\ \end{array}  ight \mathrm{N}.$	23,050 12,048	10 6	6 3	1 2	3 -	~				-		1 -		1	-	,-			
NORTH DISTRICTS.  All Souls Marylebone   - W.  Rectory Marylebone W G. & W.  St. Mary Marylebone   G. & W.  HHHH  Gristchurch Marylebone H - W.  St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	17 10 25 14 17	19 4 7 6 1	3 2 -	8 2 3 2 -			11711	1 1 1 1 1	1 1 1 1 1	1 1 1 1	-	1 1 1 1 1	1 1 1 1 1	2	1 1 1			
$\left. egin{array}{ll} { m Hampstead} \\ { m $WwHHHH} \end{array}  ight\} \hspace{0.5cm}  ext{-} \hspace{0.5cm} { m N. \& W.}$	75,449	33	24	5	5		-	2	5	-		2	-	-	1	1			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	37,341 26,757 29,426 32,161 16,669 98,410	17 10 17 22 10 50	8 8 10 7 13 39	3 2 2 2 1 13	1 2 - 3 6 12	1 1 1 1 1 1	1 -		- - - - 1	1 1 1 1 1 1	1 3 1111	1	11111	1 1 1 1 1 1	2 - 3 3	22			
$ \begin{array}{c} \text{Upper Holloway} \\ WWWwWwHH} \\ \text{Islington South-west}  H  - \text{ N.} \\ \text{Islington South-6ast}  - \text{ N.} \\ \text{Highbury}  HH  -  - \text{ N.} \\ \end{array} $	98,273 107,365 66,549 64,577	67 74 42 36	45 24 14 12	7 8 4 5	19 2 6 2		1	1 1 1 1	3 - 1 -	2 -	. 1 1 1 1	1		- 1 -	5 2 -	a history			
Stoke Newington $H$ - N. North Hackney - E. & N. Gentral Hackney $vw$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$   \left\{   \begin{array}{c}     22 \\     12 \\     28 \\     40 \\     40   \end{array}   \right. $	4 4 18 22 30	- 1 4 9	3 2 11 7 10	1111	11111	1 1 1 1	1 6 1 -1	11111	11111	3 1 3	11111	1		1 1 4 4			

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other team that in which it stands; u—Hospital; L—Lunatic Asylum; u—Frivate Lunatic Asylum in which paure reviewed. The Boman capitals signify the Water Companies which supply the different Sub-districts:—G. Heard Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; River; E. Eist London; and K. the Kent Company.

\*See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899, re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Measles, RLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered in each

							Th	e D E	ATHS	regis	tered	durin	gthe	Wee	kinel	ude		
	Enume-			Dea	thsof					Deatl	as fro	m					attons	Jo
STRATION SUB-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS.	Тотал Оватня	Infantsunder 1 Year of Age,	Personsaged 60 Years and upwards.	Smail-pox.	Measles,	Scarlet Fever.	Diphtheria,	Whooping-cough,	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa,	Violence	InquestCases	Desthe in Public Institutions	Uncertified Causes
Promoved a				STATE OF THE PROPERTY OF THE P														
oury and St. Giles \ WH \ North H N.	29,086 <b>9,</b> 151	22 7	9	-	5	- 1	-	-	-	1 1		1 1	-	1 1		2	2	-
in-in-the-Fields HHN.&C. WHH N. Inion Workhouse, Edmonton	13,077 11,839 +1,037	5 -4 -	- 11 8 1	1 3 -	1 2 1	1 1 1	1			-	-	1 - -	-	1 1 1	1 1 1	1 21 -	9 5 1	
WHHHHHH - N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	11 10 16 11 34 5 3	18 8 5 5 14 2 -	7 3 - 2 2 1	1 1 2 2 2 1	1 1 1 1 1 1 1 1		1	1		1 111111	1	111111	1 - 1	1 1 -	1 2 1 2 1 -	9 - 5	11111111
lph‡ HH N.&E. gate N. lehre WH N. ws Barking N. ondon Asylum, Stone	9,762 3,299 9,591 9,059 †388	3 -	2 13 - -	1	- 1 -	-	-	-	1	-		- 1 - 1 - 1 - 1	-	11111	3 -	3 -	13	11111
EAST DISTRICTS.  tch South $Hl$ - E. & N. New Town $w$ - N. Old Town N. ston $WH$ N. & E.	17,975 29,575 27,645 47,163	12 21 20 36	5 15 3 15	2 6 1	1 5 1 5		ī ī	1111	- 1 -	1 1 1	.1 1 1.				1	2 -	16-9	1111
Green North $H$ - E. Green South E. Green East $WHl$ - E.	49,301 34,194 45,667	43 24 26	25 8 20	12 5 4	4		1 - 4	-		<u>.</u>	-	2	-	-	1 -	3 -	2 7	
elds E.&N. d New Town§ WH - E. n's Fields§ E.	26,681 } 51,995 {	19 33 15	38 55	1 3 1	- 9 1				-	1 -	-	ī -	-		1 7 1	1 8 1	31	1-1-1
ge, North E.	39,576 7 930	33 4	13	6	2 2	-	-	-		-	-	-	=	-	1 -	1	7	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	2 14 27	6 2 15	2 1 3	- 3	-	1 1 1	1 1 1	-	-	-		-	1.1.1	- 3	- 4	4 -	1-1-1
d Old Town West H E. d Old Town East - E.	} 111,060	<b>{</b> 46 38	13 26	4 6	<b>5</b> 8	-	-	-	2	-	-	3	-	1	1 -	3 5	<del>-</del> 6	1 1
y wwwH E. WW E.	41,687 69,821 57,759	30 52 34	5 29 20	1 5 6	1 5 5		- 1		1 1 1	-	-	3	-	1	6	1 6 3	17	1 1 1

Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November, 1899, and re-named Bloomsbury and St. Giles South.

† Population in 1891, not included in the total population of the Central Districts or of London.

† The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.

\*\*Cochapel Church Sub-District was aboushed on 1st January 1899, and divided between Mile End New Town Sub-District and Goodpan's Fields Sub-District.

BLE 5. LONDON,—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASI SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each Sub-District during the Week ending Saturday, 11th November, 1899—continued.

	SUB-DISTRICT during the Wee	ek ending	Satu	raay,	1101	I IVO	vеш	ber,	189	9—c	onti	nuec	<i>t</i> .					
								The	DEAT	HSre	giater	ed du	ring t	the W	eekir	ıclud	е	
		Enume-			]	hsof				D	eath	fron	1				-	tions
	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896,	TotalBirths.	Total DEATHS.	Infants under I Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhos.	Violence.	InquestCases.	Deaths in Public Institutions
The state of the s	SOUTH DISTRICTS.	13,064 12,301	7 5	1	1	_	-	-	-	_	_		-	-	-	_	-	
- W	$\begin{array}{llllllllllllllllllllllllllllllllllll$	12,301 22,879 16,083 21,316 28,723 62,045 30,171	14 12 16 18 44 22	27 3 3 9 21 5	1 2 1 1 11 3	1 3 3 -	111111	ī - - -	111111		111111		1 1 1 1 1 1	Y11111	1 1 1 1 1	111,111	111111	1
The second second	Olave $WH - \begin{array}{ccccccccccccccccccccccccccccccccccc$	11,731 85,475 40,379	9 72 24	17 21 21	4 8 2	1 3 5	-	3		1 -	-	-	2 -	-	- 1.	3 1 -	4 4 -	11 1 9
The state of the s	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	30 13 26 37 19 38 18	10 15 18 9 11 20 7	4523343	1 3 2 4 3 2	1117111	3 2	- 1	- 3 -	1	111111	1	1.1111	1	- 2 1 1 1 1 -	1 2 1 1 1	37111
A CONTRACTOR OF THE PARTY OF TH	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	54 54 28 40 10 37	29 36 11 12 4 28	6 4 1 2 2	4 8 1 3 2 7	11111	8 3 1 2 -	3	10	1	111111	- - - 4		1 1 1 1 1 1	1 - 1	2 1 1 1 1	15 2 2 17
1	llwich L. & S. mberwell <i>Wwll</i> - S. & L. ckham <i>WW</i> - S., L., & K. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	2 30 57 44	1 45 30 18	1 7 9 5	14 6 1	1 1 1 1	1	1111	- 1 1			4			- 1	3 2	25 - -
	ptford North K. ptford Central $w$ K. ptford South K. penwich West $H$ K. penwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	28 39 16 9 28	8 15 7 4 20	6 2 1 -7	1 3 - 2		11111	ī - -	7 1 -	- - - 1		11111	-	1111	1 - - 1	2 - 1	9
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	3 5 34 21	3 6 24 9	- 1 4 3	3352		1111	- 4 -	- 6 -	1111	1 1 1 1	- 1		- 1 -			1 15 2
Mary The sealing	arlton wHH K. olwich Dockyard K. olwich Arsenal HHHH - K. mstead West H K. imstead East WH K.	15,928 19,355 21,959 16,714 42,538	11 10 10 8 27	9 8 2 5 7	2 3 1 - 1	1 2 1 2 4	11111		1 1 1 1 1	4 - 1 -	1111	-	11111	-	1	ī - -	2 -	4 2
The state of the s	rton Asylum			4 6 2 1 4 2 1 3		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										-		4 - 6 - 2 1 4 2 - 1 3

LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE, TALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week g Saturday, 11th November, 1899.

			-				The	DEA	THS:	regist	ered i	n the	Week	inclu	de		
		Enume-		ro.	Deat	hsof				Death	s from	n					502
REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Feyer,	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
OUTER RING -	368,749	1,422,063	1149	472	123	136		5	3	18	2	9	9	18	40	56	2
shalton H om, part of* WwHH -	12,228 10,423	26,108 12,508	16 3	3	2	1 2	-	_		_	-	-	1	- 1	-1	- 1	
stone, part of* W -	2,754	1,598	-		-	-	-	-	-	-	-	-	-	-	~	-	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	20,851 11,697	128,699 23,072	81 11	31 2	6	15 2	-	1	-	-	2	1	-	-	1	3	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	23 33 7 5 13	10 11 5 2 6	2 3 - 2	1 5 3 - 2	1 1 1 1	1111	1,1111	1		1111	2	1 -	4	1 3 1 2	1111
mond WH tlake H	2,160 2,823	25,389 16,159	14 10	7 5	1 -	3 2	-	1	_	-	_	-			- 1	-	-
nley $HHH$	9,127 6,542 14,307	23,815 21,969 20,372	15 14 7	2 7 8	- 1 1	1 3 4		1 1 1	-	- 1	1 1 1	-	-		1 -	1 - 2	1
ley HHH iford WH, part of * -	12,540	<b>30,</b> 590	26	13	6 -	6	-	1 1,	-	-	-	-	-  -	1.	2	1 1.	-
oury w ones WH	11,054 13,277	13,671 13,221	8 7	3 3	, 1	- 3	-		-	.1		-	-	-	-	-1	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,035 12,757 7,952	12,237 7,253 11,051	7 7 12	5 3 6	$\begin{array}{c} 2 \\ 1 \\ 1 \end{array}$	- 1 1	-	111	-	ĩ	-	-			1 1 1		1 1 1
vorth WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	16 14 32 17 34	20 4 11 4 8	3 - 2 1 4	9 2 2 2 1	- +	11111		1 - -	11111	1111	1111	- 1 -	1 1	6 1 -	11111
ow HHH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	8 5 64 18	$egin{array}{c} 4 \ 3 \ 25 \ 7 \end{array}$	2 - 10 2	1 1 6 2	-	1111	1 -		1 1 1 1		- 1	1 1 -	1 1 2 -	- - 4	1 1 1 1
h Mimms $HH$ et $WHH$ hley $HHH$	} 21,077 4,688	6,367 14,152 25,820	3 7 12	3 3 5	- 1	1 1 1	1.17	-	-	-	-	-	-	1	1 1 -	1 -	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	36 80 29 25 4 12	19 22 18 11 -	3 8 4 5 -	8 2 6	-	11111	111111	1	11111	1 1 1 -	- - 1 -	1 3 1	2 5 1 1	1 3 1 - 1	- 1 -
eld, part of * W ey H ord WH, part of * -	3,306 9,331	582 7,737	1 7	2	-	2 -	-	-	-		-	-	-	-	-	1	
ford H	3,266 4,334 6,501 11,779	38,612 58,030 54,750 58,511 32,713 70,188 57,330 12,941	25 61 37 28 78 53 79 6	11 29 26 10 15 28 23	- 4 11 7 4 3 6 10 -	3 3 5 3 7 4 2 -		1 1 - 1	1 - 1	24 - 213		2 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 - 1 - 1	2 3 2 1 - 2 1	1 5 - 9 1	
ford, part of * WH - ding Town, H - llesex County Asylum, and worth.	6,556 8,493 3,814	4,324 10,913 14,301	3 18 18 -	- 7 7 3	- 2 -	311	-	1111		1 114	1 1 1	1 1 1	- 1 -		- 1	3	1111
nstead. lon County Asylum, nwell,			-	1	-	1	_	_	-	-	_	_	_	-	_	1	_

sof sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring 18: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,361): 37: 1, the parishes of Warlingham of Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282): 41: 3, Chisehurst except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping 189: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospitals for disease-belonging to the Outer Ring in 42; 2, Dartford; 137: 2, Watford and 187: 2, Epping sub-districts

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday. 11th November, 1899.

		Cols. 1. 2. 3. 4.										THE REAL PROPERTY.	and the last of	The State of		
		Area   Area   Population   of MOR   per 100			L RATE	1		The DI	ATH	S reg	istere	dint	ae We	ekin	clude	
	CONTACT	Area	estimated			DEATHS	Dea	ths of				Deat	hs fro	m.		
	LONDON,		middle of the year	All	Diseases in Cols.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria,	Whooping-	Fever.	Diarrhea.	Wielense
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	1:
I	GREATER LONDON	443,421	6,528,434	15.8	2.0	1978	457	479	_	47	17	86	13	60	22	93
		,				1506 472	334 123	343 136	-	42 5	14	68 18	11 2	51 9	13 9	78

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivalente area of a circle having a radius of 14'851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY IN EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

	. • (*			and	in certain	FOREIGN	CITIES.						
1		DODUIT A WIGHT					ANNUAL	DE.	ATHS		PRI DISEA	NCIPA SES.	l Zyi
	CITIES,	POPULATION (enumerated or estimated).	DAT OF RET	TURN.	BIRTHS.	DEATHS.	DEATH- RATE	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.
	EDINBURGH - GLASGOW DUBLIN CALCUTTA BOMBAY MADRAS PARIS BRUSSELS AMSTERDAM - ROTTERDAM - THE HAGUE - COPENHAGEN - STOCKHOLM - CHRISTIANIA -	298,927 733,903 349,594 466,460 821,764 452,518 2,511,629 561,130 517,595 315,305 199,285 349,000 291,580 221,255	Nov. " Sept. Oct. " Oct. " Nov. Oct. Nov.	11 11 11 30 17 6 4 4 28 28 28 28	147 411 172 - 231 420 1079 228 298 298 230 114 241 130 107	99 252 249 - 780 333 878 179 133 112 65 106 95	17.3 17.9 37.1 - 49.4 38.2 18.6 16.6 13.3 18.4 17.0 15.8 17.0	2	- 7 39 - 7 6 6 6 1 1 1	1 2 1 - P 2 1 1 2	1 3 3 - ? ? 4* - 3 - 5*	- - - ? ? 2 6 - 3 -	2   5   6   6   6   6   6   6   6   6   6
	ST. PETERSBURG MOSCOW BERLIN HAMBURG DRESDEN BRESLAU MUNICH VIENNA PRAGUE BUDA-PESTH -	1,132,677 988,610 1,818,517 675,351 397,300 406,012 445,000 1,623,134 384,622 666,722	Oct. " Nov. Oct. Nov. " Oct. " "	28 28 7 4 7 4 4 28 28 28	577   256   929 181 428	431 - 201 123 169 212 524 158 244	19·8  - 15·5 16·1 21·7 24·8 16·6 21·3 19·0	3	6 - 1 - 6 - 4	12 - - - 1 - 2 3 8	22 - 1* 1* 3 2* 11* -	5 - 1 1 3 4 1	15 - - - 1 - 1 2 4 3
	TRIESTE ROME TURIN (10 days) VENICE CAIRO ALEXANDRIA - NEW YORK (including BROOKLYN) PHILADELPHIA -	166,599 508,779 344,203 172,288 570,062 319,766 3,550,053 1,266,832	Sept. Oct. Sept. Oct.	21 14 20 21 30 30 7 21	99 227 224 59 407 192	87 150 128 58 348 168 - 384	27·1 1 15·4 13·6 17·6 31·7 27·3 - 15·8	1	2 -	2 4	3* - - 3* 9* 2* -	- - - 1 -	1 9§ 2 - 9 2

<sup>\*</sup> Including deaths from croup. † Including 105 deaths from plague in Bombay. § Including 3 deaths from malarial fever,

							A	1et	eoro	logic	cal	Obse	rvati	ions.
Ozone.			2,3	0.0	8.0	2.2	0.5	8.0	0.0	6.0	26		ulb	the tre
	surfaceis sinches above the Ground.	į	0.67	98.0	0.01	0.37	0.00	0.41	0.01	Sum	25	2440	he mean	correction wenty year 868 for th
on's.	Depar- ture from Average of of	Wilde	+ 4	-101	86 +	+407	+ 64	+324	+328	Sum +1194	24	or or or or or or or or or or or or or o	P.M. T. and the	ation of ng the ty nding 1
Robins	richt.	Willow	282	177	377	989	344	909	919	Sum	233	nidnight.	o sea leve L.,and 9h mometer,	ade durin
the t.	Mean of 24 hourly obs.	- 4	0.5	0.0	0.4	1.6	1.0	1.4	1.4	:	95	httor	duce to 3h. P.h	s by the
sure on tare Foo		Tha	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	12	nidnig	s to re noon;	value ic recc the t
Press	Great-	lbe	0.00 0.00	0.4	6.3	13.0	3.6	12.0	13.5	:	20	from n	A.M.;	graphi graphi luring
Direction.	P.M.				SSW. & S.	SW.&	WSW. WSW.S.	SW. &	WSW. W.	V.	19	nivil day, or	ied to the re taken at 9h.	and managed from a discussion of the photographic records made during the twenty years deduced from a discussion of the photographic records made during the twenty years deduced from a barometer, and during the twenty years of a deduced from a discussion of the photographic records made during the twenty years of the control of the property years and during the twenty years and during the twenty years and during the twenty years.
GeneralI	A.M.		SSW.	E. NE. &	SSW. & S.	S., SSW.	& SW. WSW.	SSE, SE.	& SW. WSW. & SW.	S	18	pply to the c	as been appl are usually gs of the b	discussion of the Mith the
Of the Earth	below the Surface.	0	53.13	53.50	53-38	53.08	52.91	52.51	52.43	52.99	17	esults ar	vations	deduced from a ending 1873 for thermometers.
tion	Lowest on the Grass.	0	49.5	36.1	35.4	42.5	38.0	41.5	38.0	40.1	16	The re	obser Obser the eye	deduced ending
Radia	Highest in Sun's Bays,	0	2.69	59.8	95.4	0.28	79.1	80.1	82.3	9.22	91			
Satu-			94	92	92	71	7.5	74	02	78	14	l vi	dy in	neavy very fi
1		0	0.0	1.0	2.1	3.8	3.8	2.3	7.4	2.8	13	MARK	1	till evening, with heavy rain A.M.; cloudless and very fine at
		0	3.4	4.0	11.5	13.0	13.6	13.4	9.11	10.0	12	LREI	ıt rain.	ning, oudles
	Mean daily value.	0	9.1	2:1	7.5	9.1	8.6	8.3	9.2	2.9	F	NERA	requer	II eve .M.; ch
point,	Mean daily value.	0	01.0	45.2	43.0	42.7	40.8	45.6	40.6	44.3	101	GE	gst; f	est ti
De-	from Average of 50 years,	0	+ 7.2	+ 2.1	+ 5.1	+ 7.5	+ 5.8	+10.3	6.9 +	+ 6.4	6		Overc	Overcast till 9h. 30m.
	Mean daily value.	0	53.1	47.6	2.09	8.19	49.8	6.89	50-1	6.09	0	above rizon,	9.4	6.3
	Daily Range.	0	6.4	9.6	15.9	9.9	1.6	12.6	12.7	10.8	7	red Sun ne Ho 'S. in b		
	Low- est	0	50.3	42.4	40.2	48.5	45.8	46.9	43.5	45.4	9	Register Sunshi in hour	0.0	0.0
		0	2.69	25.0	9.99	24.8	6.49	26.2	2.99	56.5	5		nder	
reading (cor-	and re- duced to 32° Fahren- heit).	in.	29.630	29.762	29.192	29.287	29.760	29.418	29.930	29.654	4	TRICITY lanation	nent u	6
ofthe	Moon,		:	Greatest	:	:	:		:		3	ELEC (For exp *ymbols	Instrun	
	Q.N.			9	-	8	6	10	11	1	- uu	på på	10	9
	MONTH AN DAY	NOVEMBE		MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Colum	DATE. NOVEMBEI	SUNDAY -	MONDAY -
	of the contraction of the Square Foot, Str. Satisfy Radiation Of the General Direction. Square Foot, receiving	AND Moon deed to High Low- Daily Mean Range, value and repeated to High Range, value and repeated to High Range, value and repeated to High Range, value and repeated to High Range, value and repeated to High Range and value an	AKAD         Moon         Moon         Moon         Description         Pressure of the convent of the	Moon and 1	Available   Avai	The continue of the continue	AND   ANOLH   Condition   Co	No.   Continue   Con	No.   Continue   Con		Moon   Local Line   Local Lin	Moon   Moon	Main Continue   Parising   Pari	Moon.   Moon

With the corrected mean reading of the dry bulb thermometer is rollever, and during the twenty years ending 1868 10r the chermometers, forming the mean daily value of femperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables. combined the corrected mean of the readings of the maximum and minimum thermometers.

Very fine in morning; partially cloudy, with solar halo in forenoon; generally over-

east afterwards, with rain after 11h. P.M.

large amounts of cloud afterwards. Strong gusty wind prevalent throughout the day.

Very fine till afternoon; overcast after-

wards.

6.5

9.9 9.1

Overcast, with rain in morning; fine, with

4.8

WEDNESDAY

THURSDAY-

FRIDAY

7

TUESDAY

Theaverage temperature of the air is that derived from a discussion of the observations The valuesgiven in column 17 are not corrected for the index error of the thermometer, made at Greenwich during the 50 years ending 1890, and that of horizontal movement Inreading columns 9 and 24 it will be borne in mind that + indicates" higher," and of the air from a discussion of the anemometric records for the 16 years ending 1875. - "lower," than the average.

which cannot be determined. The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:-P. positive; N. negative; w. weak; m. moderate The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument. s. strong; and v. variable.

Overcast, with heavy rain in morning; partially cloudy, with occasional slight rain till evening; cloudless and very fine at

night. Strong gusty wind, Very fine till afternoon; generally cloudy afterwards. Strong gusty wind till evening.

A sharp shower at 3h. 30m, P.M.

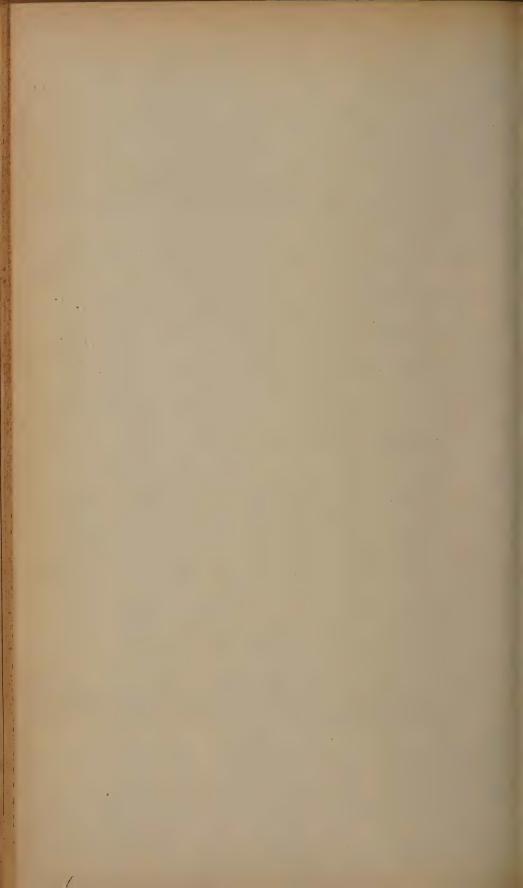
Sum 64.5

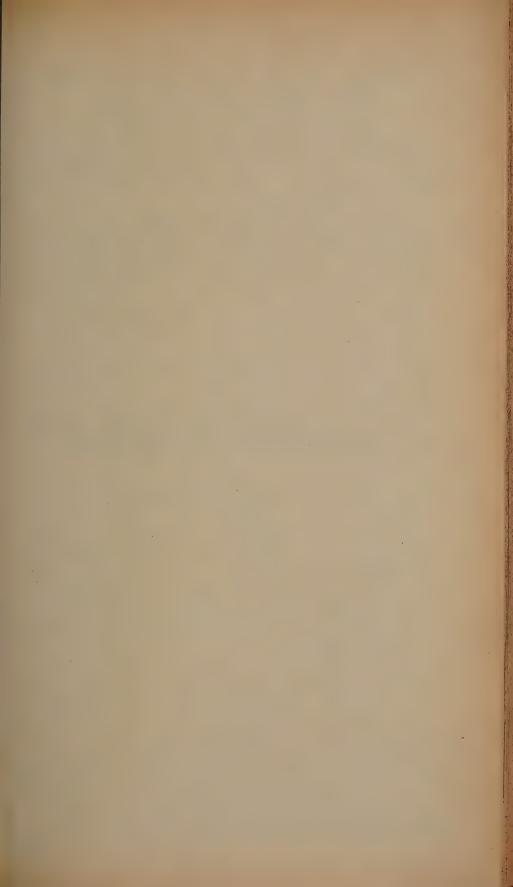
Sum 20.6

SATURDAY -

No. of Col. -

show the aggregate duration of bright sunshine on each day. The reading of the barometer increased from 29.49 in, at the beginning of the week to 29.92 in. by 8h. A.M. on the 7th; decreased to 29.25 in. by 1lh. A.M. on the 8th; increased to 29.84 in. by 5h. R.M. on the 9th; decreased to 29.83 in. by 1lh. A.M. on the 1lth; increased to 29.84 in. by 10h. A.M. on the 1lth; decreased to 29.85 in. by 3lh. P.M. on the 1lth; and increased to 30.07 in. by the end of the week.





LONDON:
CRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

### OFFICIAL COPY.

# WEEKLY RETURN

#### LONDON AND DEATHS IN BIRTHS

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

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WEEK ENDING SATURDAY, NOV. 18.

General Register Office, Somerset House, November 20th, 1899.

[Price  $1 \frac{1}{2} d$ .

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 17.3 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates

		Weeks	endin	g	1		7	Weeks	endin	g
Towns.	Oct. 28.	Nov.	Nov. 11.	Nov. 18.		Towns.	Oct. 28.	Nov. 4.	Nov. 11.	Nov. 18.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	22·2 20·5 17·7 19·0 21·0	17·4 11·8 23·6 14·8 13·5 13·9 11·3 21·5 16·5 13·1 18·7	19·0 19·4 24·3 16·1 16·8 14·0 24·9 16·1 16·6 10·2 10·3 15·7 10·7 13·1 16·7	14·0 18·0 22·4 20·6 15·9 15·7 15·9 11·5 12·6 12·7 14·7 14·6 19·4	CONTRACTOR OF THE PROPERTY OF	Leicester - Liverpool - London - Manchester - Newcastle-on-Tyn Norwich - Nottingham - Oldham - Plymouth - Portsmouth - Preston - Salford - Sheffield - Sunderland - Swansea - West Ham - Wolverhampton	 27·7 21·1 24·4 20·8 13·4 19·6 20·4 14·0 19·1 18·6 24·8 27·3 21·1 18·9	21.6 18.6 21.6 19.8 14.7 17.6 18.7 16.1 15.6 21.3 22.9 3 21.5 6 16.3	20·2 25·1 17·3 19·3 16·6 17·5 18·3 19·7 17·6 17·2 18·6 19·4 16·5 18·6 11·1 3 14·1 20·0	21·2 17·5 18·5 15·3 14·7 19·6 13·1 13·0 14·5 25·3 16·5 21·4 15·4 15·1 12·3

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from measles, 1.0 in Sheffield, 1.1 in Bradford, 1.2 in Blackburn, 1.3 in Preston, 1.4 in Birkenhead, and 1.6 in Hull; from "fever," 1.1 in Nottingham, 1.2 in West Ham, 1.2 in Croydon, and 1.3 in Preston; and from diarrhæa, 1.0 in Bolton. In none of the thirty-three towns did the death-rate from scarlet fever or from whooping-cough reach 1.0 per 1000. The 117 deaths from diphtheria included 56 in London, 14 in Sheffield, 8 in Leicester, 8 in Liverpool, 7 in Leeds, 4 in Birmingham, 3 in West Ham, and 3 in Blackburn. Six deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

LONDON.

In London† 2674 BIRTHS and 1528 DEATHS were registered. for increase of population, the births were 8, and the deaths 137, below the average numbers in the corresponding weeks of the last ten

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

years. The annual death-rate per 1000 from all causes, which had been 21.1, 18.6, and 17.3 in the preceding three weeks, rose again last week to 17.5. During the four weeks ending on Saturday last the death-rate averaged 18.6 per 1000, which is equal to the mean rate in the corresponding

periods of the ten years 1889-98.

The 1528 deaths included 29 from measles, 6 from scarlet fever, 56 from diphtheria, 9 from whooping-cough, 55 from enteric fever, 20 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 175 deaths were referred to these diseases, being 10 below the corrected average weekly number.

The deaths from measles, which had been 34, 33, and 42 in the preceding three weeks, fell again last week to 29, and were 17 below the corrected average; 6 cases belonged to Wandsworth and 5 to Shoreditch sanitary areas. The deaths from scarlet fever, which had been 14, 7, and 14 in the preceding three weeks, fell again last week to 6, and were 15 below the corrected average. The deaths from diphtheria, which had been 59, 39, and 68 in the preceding three weeks, fell again last week to 56, but were 7 above the corrected average; 6 cases belonged to Camberwell, 5 to Lambeth, 4 to . St. Pancras, 4 to Bethnal Green, 4 to Poplar, 3 to Islington, 3 to Bermondsey, and 3 to Greenwich sanitary areas. The deaths from whooping-cough, which had been 10, 14, and 11 in the preceding three weeks, further fell last week to 9, and were 20 below the corrected average. The fatal cases of enteric fever, which had been 40, 29, and 51 in the preceding three weeks, further rose last week to 55, and were 34 above the corrected average; 5 cases belonged to St. Paneras, 5 to Battersea, 4 to Mile End Old Town, 4 to Greenwich, 3 to Camberwell, 3 to Fulham, and 3 to Islington sanitary areas. The deaths from diarrhea, which had been 17, 22, and 13 in the preceding three weeks, rose again last week to 20, and were 2 above the corrected average. The deaths referred to diseases of the respiratory organs, which had been 477, 418, and 325 in the preceding three weeks, were 324 last week, the corrected average being 412. The deaths attributed directly to *influenza* numbered 18, having been 18, 19, and 14 in the preceding three weeks.

Different forms of violence caused 57 deaths, concerning all but 2 of which inquests were held. Of these 57 deaths, 4 were cases of suicide, 1 of execution, and 1 of homicide, while the remaining 51 were attributed to accident or negligence. Nine of these were referred to vehicles in the streets, 5 to conflagrations, 1 to the effects of chloroform administered for surgical purposes, and 7 (of infants under one year of age), to suffocation

in bed.

# CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 3578 cases of scarlet fever, 1736 of diphtheria, and 443 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow: -Of scarlet fever, 334 cases, against 414, 331, and 328; of diphtheria, 219 cases, against 259, 230, and 218; and of enteric fever, 73 cases, against 44, 103, and 79.

## GREATER LONDON.

In Greater London 3,837 births and 2,028 deaths were registered, corresponding to annual rates of 30.6 and 16.2 per 1000 of the estimated In the Outer Ring 6 deaths from measles, 7 from population. scarlet fever, 18 from diphtheria, 2 from whooping cough, 15 from "fever," and 3 from diarrhœa were registered. Five deaths from measles, 7 from diphtheria, and 9 from "fever" occurred in West Ham District.

#### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30.33 inches, and that of the Thermometer 45°9; the latter being 3°3 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 36 per cent, below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 8.4 hours; no rain was measured during the week,

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Searlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojournin the Hospital to have been erroneous.

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\* See note and a second and second the Borough of Halifax, and of the Borough of Bradford will not be taken into account in the Weekly Returns until 1900.

TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-SIXTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females	2522	2321	2596	2510	2430	2494	2576	2675	2780	2585	2681·8	2674
	1275	1151	1279	1293	1260	1268	1328	1375	1407	1303	1361·4	1357
	1247	1170	1317	1217	1170	1226	1248	1300	1373	1282	1320·4	1317
TOTAL Deaths - Males Females	1451	1709	1629	1508	2016	1275	1510	1675	1617	1436	1665 <b>·1</b>	1528
	748	874	822	759	1016	644	758	815	838	728	841·9	769
	703	835	807	749	1000	631	752	860	779	708	823·2	759

<sup>\*</sup>The numbers in this column are the average weekly numbers in the forty-sixth week of the ten years 1889-98, raised by 5'213 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

**	11100		us, III				-					_	
	Aug.	Sept.	Sept.	Sept	Sept.	Sep 30.	Oct. 7.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Nov.	Nov. 18.
Tetal Births	2646	2532	2442	2675	2531	2399	2540	25491	2529	2495	2613	2711	2674
TOTAL Deaths	2100	1931	1934	1643	1649	1456	1564	1637	1567	1844	1626	1506	1528
$\begin{array}{c} \text{Under 1 year } - \\ 1-5 \text{ years } - \\ 5-20  - \\ 20-40  - \\ 40-60  - \\ 60-90  - \\ 80 \text{ years and upwards} \end{array}$	916 254 89 229 290 264 58	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 363 339 83	334 215 116 218 280 274 69	355 180 93 214 318 300 68
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever - Simple Continued Fever - Diarrhœa and Dysentery - Cholera	52 7 29 18 - 16 - 426 21	34 5 29 31 - 18 - 368 22	33 5 24 25 - 12 - 322 8	17 2 22 16 - 18 - 233 9	- 17 8 42 19 - 24 - 162 6	15 9 44 23 - 19 - 81 2	21 7 55 10 - 19 - 53 2	20 9 56 10 - 21 - 49	26 6 60 6 15 - 25	34 14 59 10 40	33 7 39 14 - 29 - 22 1	42 14 68 11 - 51 - 13	- 29 6 56 9 - 55 - 20 -
All the above Diseases -	569	507	429	317	278	193	167	165	138	175	145	199	175
Dis. of Respiratory System - Phthisis Dis. of Circulatory System - Violence Inquest Cases Deaths in Public Institutions-	169 152 112 60 139 526	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 123 54 122 507	325 133- 107 75 144 509	324 141 148 57 134 494
TEMPERATURE OF THE AIR.  Mean	66.4 79.8 53.6	63.5 74.1 55.2	65.6 76.5 55.2	57.5 67.0 48.8	54.6 63.5 48.2	52·1 61·0 45·5	49·3 56·6 42·6	47.3 58.9 36.2	47.4 56.6 39.4	51.8 57.4 45.9	53·2 59·1 47·1	50.9 56.2 45.4	45.9 51.3 39.9
Humidity of the Air	63	71	70	73	.68	76	86	82	82	90	83	78	84
Rain-fall (in inches)	0.00	0.59	0.54	0.27	0.36	1.01	0.20	0.12	0.00	1.30	1.81	2:33	0.00
Registered Sunshine (in hours)	74.8	53.4	47.5	23.5	38.3	32.5	12.2	38.9	43.3	7.8	22.5	20.9	8'4
CASES OF INFECT	rious	SICKN	NESS II	N Hos	PITAL	8* AT	THE E	ND OF	EACH	I WEI	ck.		. 1
Small-pox	2548 1512 203	2538 1502 213	2549 1464 224	2640 1486 228	2758 1474 235	2886 1487 252	3003 1519 275	3217 1595 308	3408 1659 331	3504 1700 342	3539 1715 407	3564 1692 426	3578 1736 443

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LLD., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wotterlampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4. FORTY-SIXTH Week of the Vear 1899

				F	ORT	Y-2	SIX	тн	W	ee	ek of the Year 1899.									
	r the years	Se	In	the sy, 18	Wee 8th	k en Nove	ding	r 189	9.	-		r the years	Sa	turd	n the	e We 8th ]	ek ei Nove	ndin	g r 189	9.
1	ges for the 10 38*,		De	aths th	of P		180	f				the 10		D	eath	s of i	Perac Ages	nso	f '	
SES OF DEATH	Averages sk of the 1889-98*,	20	υ	nder 20.	r	under 40.	der 60.	der 80.	and B.		CAUSES OF DEATH	Averages k of the 1889-98*,	ŝ.	'	Unde 20,		der 40.	der 60.	der 80.	and
	Corrected 45th Week	ALL AGES	0-1	1-5.	5-20.	20 and un	40 and under 60.	60 and under 80.	80 years a			Corrected 46th Week	ALL AGES.	0-1.	1-5,	5-20,	20 and under 40.	40 and under 60	60 and under 80.	86 years
ISES	1665.1	1528	355	180	93	214	318	300	68		Diseases of Circulatory System }	140.8	148	-	1	12	22	45	58	10
Vaccinated - Unvaccinated No Statement	0·1 - 46·3 21·4 0·2 -	- 29 6 -	- - 5 -	23 2 2	-		1 1 1 1 1 1				Croup	5*5 227*6 141*2 6*5 30*7	176 122 7 17	64 39 -	41 2	5	2 9 1	26 18 1 7	56 10 3 4	1 1
ng-cough ria -	10·1 28·8 48·6 0·1 20·7 0·4 18·0 0·1	18 9 56 - 55 - 20 -	7 - - 16 -	2 5 31 - - - -	16 - 11	1 - 37 1 -	5 - 6	1 - 1 - 3	1		Dentition Quinsy, Sore Throat - Enteritis Gastro-enteritis Diseases of Liver Other Diseases of Digestive System	6·0 2·2 15·5 { 6·7 27·4 27·7	3 12 11 2 23 26	- 2 8 - 8	-	1 1 2	- 2 1 1 5 2	- 2 - 13 7	- 1 4 - 4 7	- - 1
and Effects of ation	0·1 0·2 8·4 4·7	7 9	- 5 2	1 1 1 1		- 1 1	1 2 1 1	- 4			Diseases of Lymphatic System & of Ductless Glands	2.7	1	1		-	_	-	, t	1
and Septicemia al Fever ymotic Diseases	2·8 5·5 1·6	7 9 2 3 1	-		1 -	1 2	1 -	-	1 1 1		Diseases of Urinary }	47*0	60	1	-	-	15	24	17	3
and other Para-}	0.8	-	-		-	_	-	-	-		Diseases of Generative System System	6°6 4°9	5	-	-	1	3 4	1	-	
ion, Want of )	1.8										Diseases of Locomotive } System }	5.7	6		1	2	-	2	1	-
t-milk { ism	10.8	20	-	_		4	14	2	-		Diseases of Integumen- tary System }	6.0	4	2	1	-	-	1	-	- :
atic Fever, matism of Heart } atism lesenterica lar Meningitis - a, Tuberculosis - Constitutional ses	9.8 2.5 2.1 4.0 71.8 15.0 18.9 164.8 17.1 14.6	12 4 2 2 75 8 18 141 20 11	1 3 7 2 6	1 1 2 1 3 8 3 6 1	1 - 3 10	1	2 3 1 -28 1 -59 3 1	1 1 35 - 14 - 5	4		VIOLENT DEATHS.:  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drown- ing) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions -	58-2	2 9 2 -5 4		- - - 4 3	4	ī 1 - -	1 1 - 1	1 1	-1
ure Birth asis ital Malforma-}	52·3 3·7 7·0 46·3	60 2 13 50	60 2 13 -		1.1 1.1		- - 1	20	29		By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		3 7 3 16	-7 - 3	- 1 1		1 4	1 4	3	1
y	45·3 6·5 40·3 78·9	44 6 40 55	- 38 5	- 1 7		6 -	4	25 1 - 10	3 3		(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1·1 6·2 0·2	1 4 1	-	1		111	-2		111
s of Organs of	3.9	1	-	1	-		-	-	-		OTHER CAUSES	52.3	43	39	3		-	-	1	-

numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase dation.

Those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the f death is not certified by a registered practitioner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the number, manufactured and controlled the causes are classed under "accident."

Table 5. LONDON.\*—Population; Births; Deaths from all Causes, and from Small-pox, Me Scarlet Fever, Diphtheria, Whooping-cough, Fever Diarrhea, Violence. &c., registered in

							The	DEA:	res r	egiste	red di	aring	the W	eekiı	nolud		
	Enume-			Des	ths o	£				Deatl	hs fro	nio					-
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infants under 1 Year of Aze.	Persons aged 60 Years and upwards.	Stall-pox.	Measles,	Scarlet Fever	Diphtheria	Whooping-ccugh.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence,	Inquest Cases.	The second secon
i	1	l e	B	14	Pe B	Sr.	K	1 82	Ä		1 1	)   월	1 200	Ä	4i	I II	1
LONDON -	4,411,710	2,674	1,528	355	368	-	29	6	56	9	-	55		20	57	134	49
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	393 580 120 494 1,087	231 322 82 319 537	47 70 16 89 133	73 90 13 56 124 12	11111	4 2 -6 17 -	- 4 - 2 -	7 11 2 8 27 1	2 1 5 1		5 10 7 13 20		2 6 2 4 6	7 18 9 7 16	14 40 18 24 38	10113
WEST DISTRICTS.  St. Mary Paddington $WHH$ G. & W.  St. John Paddington $H - G$ .	90,996 33,510	48	23	5 -	10 2	1 1	-	-	1 17		1 -	-	-	-	- 1	1	The second secon
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	57 13	41 7	6 -	16 3	FI	-	-			-	1 ~		1 -	_	1	2
North Hammersmith $\dagger H$ W. & G South Hammersmith $\dagger H$ W. & C. Fulham $Ww W$ . & C.	44,638 59,561 113,781	29 49 93	15 19 45	4 3 16	4 9 12		- 2	1.1.1	- 6	1 1 1	1 1 1	- 4		-	ī	1	1
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	13 14 14	4 9 6	2 1	- 1 3	111	- 1	111	1, 1 1	, I	-		-	-	- 1	1 1 2	
	23,827 56,140 31,492 22,097	2 18 15 2	6 18 7 11	- 2 3 1	3 6 1 2	1111	1	1 1 1 1	ī -	1111	1.1.1.4		1 1.1 1	1111	- 3	- 1 - 4	
St. James Westminster $\left\{ \begin{array}{ll} N. \& G. \\ WH \end{array} \right.$ St. Anne Soho $HHHHH$ - N.	23,050 12,048	9	2	1 3	1		-		7	- 1	-	-	-	-	1	-	
NORTH DISTRICTS.  All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798 19,637 32,547 32,611	12 8 29 13 14	11 2 6 8 7	1 1 3 1	6 - 1 2 1	11111		11111	1	1 1 1 1	11.1.1.1	- - 1		- 1	2 - 1	4 - 1 - 1	
Hampstead WwHHHHH	75,449	33	24	5	6		1	3	3	1	-	3	-	-	-	2	1
Regent's Park Pancras $HH$ - W. Tottenham-court $\}$ - N. & W. $wHHHHHH$ - N. Somers Town $HH$ N. Camden Town $WH$ N. Kentish Town $WW$ N.	37,341 26,757 29,426 32,161 16,639 98,410	18 9 20 14 10 60	5 15 10 13 16 21	2 4 1 4 5 1	1 4 3 1 8	11111	1,1,1,1,1			111111	1 1 1 1 1 1	- - 1 1		1 1 1 1 1	- 21	- 1 2 3 1	1.
$\begin{array}{c cccc} \textbf{Upper Holloway} \updownarrow & & - & - & \textbf{N}. \\ \hline WWWWWWHH} & & - & - & \textbf{N}. \\ \textbf{Islington South-west} \updownarrow H & - & \textbf{N}. \\ \textbf{Islington South-\'east} & - & - & \textbf{N}. \\ \textbf{Highbury } HH & - & - & - & \textbf{N}. \\ \end{array}$	98,273 107,365 66,549 64,577	69 57 34 27	49 25 14 19	10 8 3 5	16 4 5 4		1	1	1	1 -	1 1 1 1	1 - 1 1	1-1-1-1	3 1 -	1 1 5	3 - 3 5	3
Stoke Newington $H$ - N. North Hackney E. & N. Central Hackney $wv$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E. & N.	33,485	$     \begin{cases}       15 \\       23 \\       35 \\       42 \\       38     \end{cases} $	6 11 15 25 20	18237	2 3 4 5 6	11111	- 1	11111	5 - 1	11111	11111	11111	11111	- - - 1	- 2221	2371	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Dist than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Frivate Lunatic Asylum in which paupers related. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. sign 3raud Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth: N. Yere; E. East London; and K. the Kent Company.

See note ton first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899 and wre-named North Hammersmith and South Hammersmith, respectively.

‡ In the week ending 11th inst., the death by violence of a child, aged 4 years, which occurred in Upper Hollos Sub-District, and on which an inquest had been held, was registered by error in Islington South-west Sub-District. death has now been registered in the right Sub-District, but is not again counted.

E 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, JARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEA, VIOLENCE, &c., registered in each

				_		-	T	ne DE	ATHE	regis	tered	duri	ng the	Wee	kine	lude		
	Enume-			1_	thsoi					Deat	hs fro	m					utton	of
GISTRATION SUB-DISTRICTS	Popu- lation. 1896,	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age,	Personsaged 60 Years and upwards.	Smail-pox,	Measles,	Scarlet Fever.	Diphtheria,	Whooping-cough,	Typhus,	Enteric (or Typhoid)	Simple Continued Fever,	Diarrhosa,	Violence	InquestCages	Deaths in Public Institution	Uncertified Causes
CENTRAL DISTRICTS.  usbury and St. Giles $H^*$ $WH^ H^-$	29,086 3,151	7 4	7	1	2						-	1 " 1	_	1	-	-	2	
artin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 +1,037		43	- 1 1	1 1 1	- 1		111	111	1,1,1	1111	ī		1.1	2 1 -	21	3 2 -	111
orn wHHHHHH - N. mes Clerkenwell - N. ell Clerkenwell - N. ell-street - N. coad HHHL - N. escoss-street - N. corn - N. corn Union Workhouse, cham	31,042 15,777 34,356 16,069 29,697 7,595 4,035	18 15 18 14 32 4 1	15 5 1 3 13 1	81 - 41	1 2 2 2 1	1 1 1 1 1 1	1 1111111	111111	11111111	1	1 111111	2	1111111	1	1	1 2 1 1 3	6 - 4 - 1	11111111
otolph: HH N.&E. legate N. pulchre WH N. llows Barking N. f London Asylum, Stone	9,762 3,299 9,591 9,059 †388	an H an I I	4 2 19 3 1	1 -	1 1 - -		-	1.17.1.1	- 2	11111		31		1111	4 -	- 6 1	14 1	11111
EAST DISTRICTS.  ditch South $Hl$ - E. & N.  n New Town $w$ N.  n Old Town N.  erston $WH$ - N. & E.	17,975 29,575 27,645 47,163	10 16 13 36	5 11 8 27	3 5 5 5	- 4 1 4	1111	- 4	1111	- 2		Palate	7 7 7	11111	- 1 -		1 1 1 -	4 - 14	11.11
nal Green North H - E. nal Green South E. nal Green East WHI - E.	49,301 34,194 45,667	44 33 22	18 13 27	10 6 4	11 11	1,11.	17.1		1	1	1111	1.	17.	- 2	1.1.4	11	18	1.1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	26,681 } 51,995 {	19 19 15	6 43 5	10 3	5 1		1 - 1		ī	- 1 -	1 1 1 1	5.	-	1	4 -	5	30	
orge, North E. hn, St. George East W E.	39,576 7 930	26 4	6	1	$\frac{1}{2}$	-	-	-	-	-	-	-	1.1	-	-	-	5	1.1
well $H$ E. & N. iff $W$ E. bouse E.	10,434 14,954 32,917	10 7 19	9 7 8	4 2 4	-			1 1 1		.1 1	1 1 11 5	ī	J J 1 1 3	-	111	1 1 2	4:	111
End Old Town West H E. End Old Town East  - E.	} 111,060	{ 55 34	14 29	<b>9</b> 5	<b>1</b> 8	-		-	ī	-	-	1 2	-	-	-	1	12	
loy wwwH E.	41,687 69,821 57,759	27 52 33	8 42 27	3 4 4	1 11 5		-	-	1 1 1	- 2		- 2			3	6 2	1 14 2	111

The Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November 1899, and re-named
Bloomsbury and St. Giles South.
† Population in 1891, not included in the total population of the Central Districts or of London,
The Sub-Districts of St Botolph and Broad Street were united on 1st September 1899.
hitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District.
District and Goodman's Fields Sub-District.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-Pox, Mea Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in Sur-District during the Week ending Saturday, 18th November, 1899—continued.

i	SUB-DISTRICT during the Wee	ek ending	Satu	raay,	1001	INO					rister	_		he We	ekin	clude	-
l		Thursday.			Deat	hsof			;		eaths						1
	REGISTRATION SUB-DISTRICTS	Enume- rated Popu- lation, 1896.	Total BIRTHS,	Total DEATHS.	Infantsunder 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	ScarletFever,	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhos.	Violence.	Inquest Cases.
	SOUTH DISTRICTS.  Christchurch Southwark W HL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	4 7 22 18 15 21 43 32	3 4 11 6 9 11 21 10	134 121 93	1 - 1 - 4 -		3 - 1	1111111	111111		111111	1			1	2 2 1
	St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	7 63 27	16 42 15	1 13 3	393	1 1 7	- 2 1	-	1		7 7		-		2 3 1	3 6 1
	Waterloo-road <i>HH</i> - L. & S.  Lambeth Church 1st <i>H</i> - L. & S.  Lambeth Church 2nd <i>WW</i> L. & S.  Kennington 1st <i>H</i> - S. & L.  Kennington 2nd - S. & L.  Brixton <i>w</i> L. & S.  Norwood <i>WH</i> L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	30 9 28 40 18 39 15	3 20 17 9 5 15 7	1 5 4 - 3 3	- 4 7 5 1 4 2	11111			1 2 2	111111		- 2 1	1119111	1	2	1
The second secon	East Battersea S.  West Battersea	71,730 93,385 46,953 58,101 20,566 61,644	42 52 21 29 12 53	16 25 14 15 8 33	5245 9	393356	11111	1 2 3 2 - 1	111111	- 1 1 2		11111	8		11111	- 1 1 - -	2 5 4 - 1 1
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	52 64 48	54 19 11	13 5 3	15 4 3		1 1 1 1	1111	111		1111	1	1111	- 1 -		
Section A constitution of the sectio	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	37 31 9 20 22	11 20 7 3 13	4 6 1 - 2	3 3 2 6	11111	11111	- 1 -	5	1 -	1111	- 2 - 1 1	11111	1	11111	11111
かんとう このいかられ	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,911 24,222 38,139 37,601	3 6 40 27	1 3 21 6	1 8 2	2 1 2				- - 6 -	1111		-	1111	1111	1 -	- 1 - 1 - 1
- British and British and British	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	14	8 3 8 3 11	1 2 3	1 2 2 4		4111	1 -	4			1 - 1	11111	1	- 1 1	2 3 - 1
E COD	Banstead Asylum			5 3 6 1 5 5		1 1 3 - 2	11111111111		111111111111111111111111111111111111111					111111111111	1111111111111	1111111111111	

-LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE PITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week

	ber, 18	1					The	DEAT	'HS re	gister	ed in	the W	7eek i	nelud	le		_
		Enume-		. 1.	Death	sof			D	eaths	from		*	_		01	es.
REGISTRATION SUB-DISTRICTS.	Area in Acres.	rated Population, 1891.	BIRTHS.	DEATHS	under of Age	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever.	Diarrhœa.	Violence.	Inquest Cases,	Deaths in Public Institutions.	Uncertified Causes of Death
ON-OUTER RING -	368,749	1,422,063	1163	500	128	131	-	6	7	18	2	15	3	14	36	72	5
darshalton H	12,228 10,423	26,108 12,508	15 8	6 4	3 -	1	-	-	ī	-	-	1	-	$\begin{array}{c c} 2\\1 \end{array}$	2	2	1
lodstone, part of* W -	2,754	1,598	3	1	-		-	-	-	-	-	-	-	-	~	-	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	91 16	40 11	8 5	11 1	-	-	-	1	-	3	-	$\frac{1}{2}$	3 2	12	-
Wimbledon $HHH$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	9 25 8 3 11	8 11 3 2 5	3 1 -	5 2 - 2			1 1 1 1	1		1 1 1 1	1 -	1 -	2 1	4 -	
Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	9 11	5	1	1	-	-	_	-	_	_	-	ī	1	1 -	-
Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	18 19 15	6 4 5	3 2	3 - 2	- - -	-	-	1	-	- 1		1 - -	1 - -	1 - -	
Bexley HHH	12,540	30,590	27 -	6 2	1 -	2 -	-	-	-	ī	1 -	-	-	-	-	2	ī
Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	8 12	4 4	-	1 2	-	-		1 -	-	-	-	-	-	ī	=
Hillingdon $WHH$ Uxbridge Hayes $wH$	6,035 12,757 7,952	12,237 7,253 11,051	9 2 9	7 2 4	1 1 2	2 -	-	-	-	1 -	-	-	-	- 1	1		-
Isleworth $WHH$ Twickenham $HH$ Brentford $HHHH$ Chiswick Acton $wHH$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	13 12 28 18 33	12 5 8 5 11	2 2 2 2	4 2 2 2 -		11111	1 -	ī	-	11111	- 1	- 1 - 1	1 1 2		-
Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	6,994	15,715 3,844 61,265 15,843	10 5 80 11	5 2 22 7	1 1 6 1	3 - 5 2	-			1 -	1111				1 1 1	2	_
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$		14,104	2 6 21	3 2 2	-	$\frac{1}{2}$	-   -	-   -	-	-	-	-	-	-	-	-   -	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	- 4,642 - 7,489	97,174 36,351 31,536 6,066	40 22 1	18 29 20 6 4 6	3 8 6 1 -		-	-   -	1	1		1	= = = = = = = = = = = = = = = = = = = =				-   -
Hatfield, part of * W -  Bushey H Watford WH, part of *	- 3,306 - 9,331			-	-		-   .	-   -		.   -		-	-   -		-		- :
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,260 4,336 6,50	53,51 32,71 70,18 57,33	63 47 35 55 8 60 67	10 21 20 11 21 50 33	1) 4 10 13 13		4 3 7	-	2 -	-   ] -	1 -		3 -		1	3 2 1	2   1   1   1   1   1   1   1   1   1
Chigwell, part of * HHHE Epping WH, part of * -		-	-	6		-	-	-	-   -	-		-   -		1	-	-	1
Ilford Barking Town, H -	- 6,55 - 8,49 - 3,81	3 10,91	3 19	1 5 4		1	1 1 2	-	-	-		-	-	-	-	1 -	1
Cityof London Asylum, Sto Middlesex County Asylum Wandsworth. N.W. Fever Hos., Hampste S.W. Fever Hospital, Brixt	1, —	_	-	3		_	-	-	-	1	_	_	-	-	-	-	1 1
S.W. Fever Hospital, Brixt London County Asylun Cane Hill.	on –		-			-	-	-	-	1		-	-	-	-		î

parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring of Included Stollows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282): 41: 3, Chislehurst arley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of February 1,85: 1, the parish of Northaw in istrict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 185: 1, the parish of Northaw in istrict, 187: 1, Chigwell sub-district, except the parish of Theydon Boiss and part of the parish of Epping ald sub-district: also deaths in Workhouses and Hospitals for 1,079); 189: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospitals for 1,079; 189: 1, the parish of Dagenham in Romford sub-district: 2, Watford: and 187: 2, Epping sub-districts

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS and Rate of MORTALITY during the week ending Saturday, 18th November, 1899.

															-
· ·			ANNUA	LRATE			The DI	EATH	8 regi	istere	l in tl	16 We	ek ind	clude	
GREATER	Area	Population estimated in the		TALITY 0 living.	DEATHS		ths of	T-LINE BOOK			Deatl	ns fro	m		
LONDON,	in Acres.	middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14,	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever,	Diphtheria,	Whooping-	Fever.	Diarrhœa.	Violence.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	15.
GREATER LONDON	443,421	6,528,434	16.2	1.8	2028	483	499	_	35	13	74	11	70	23	71
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	17.5 13.2	2·0 1·3	1528 500	355 128	368 131	-	29	6 7	56 18	9 2	55 15	20	57 14

NOTE.—The area of Greater Loudon is 443,421 acres. This area is equal to 532 845 square miles, which is equivalent the area of a circle having a radius of 14 851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

	•			and	in certain	TOKEIGN	CITIES.						
-		POPULATION	DA.	TI D			ANNUAL	DE	ATHS		M PRI DISEA	SES.	L ZYMO
	(Tempera)	(enumerated	OF RE		BIRTHS.	DEATHS.	DEATH-	OX.	o,	<b>4</b>	ria.	Whouping-	
1	CITIES \	or	Week e		Exclusive	of Stillborn	PATE per 1000	l-pc	sle	Scarlet Fever.	the	upir 1gh	Fever.
1		estimated).	WOOK 6	namg	ZZOIWSIVE (	1.5011150111	living.	Small-pox.	Measles.	Sca	Diphtheria	hoc	Fe
NY COMMENT								SI		1	Ä,	₹	
	EDINBURGH -	298,927	Nov.	18	160	106	18:5	_	1		_		1
	GLASGOW	733,903	,,	18	380	279	19.8		12	7	5	3	6
ł	DUBLIN	349,594	,,	18	241	248	37'0	_	51	2	3	2	9
ı	CALCUTTA	466,460	Sept.	30		_	_		_	_		_	
ı	BOMBAY	821,764	Oct.	24	227	740	46.8	7	7	P	?	?	171+
	MADRAS	452,518	1,	13	371	349	40.1	-	4	2	?	3	75
-	PARIS	2,511,629	Nov.	11	1074	778	16.1	_	4	2	3*	1	21
	BRUSSELS	561,130	,,	11	282	154	14.3	-	_	1	2*		5
1	AMSTERDAM -	517.595		4	268	140	14.0			_	2	1	2
	ROTTERDAM -	315,305	22	4	221	97	15.9	_	_	_	1	2	3
	THE HAGUE -	199,285	19	4	115	44	11.5	-	2	-	1	_	-
Total Section	COPENHAGEN -	349,000	.,	11	177	136	20:3		_	3	_	4	2
H	STOCKHOLM -	291,580	,,	4	133	81	14.4	_	_	_	7*		1
ı	CHRISTIANIA -	221,255	,,	11	168	45	10.1	-	1	-	-	-	- 1
Name and Address of	ST. PETERSBURG	1,132,677	**	4	677	469	21.6	2	14	12	24	6	13
	Moscow	988,610	11	4	-	437	23.0	1	1	10	17	1	3
	BERLIN	1,818,517	Oet.	7	-	-		_	_	_	_ ]	_	_
	HAMBURG	675,351	Nov.	11	-	215	16.6	-	1	2	2*	1	_
	DRESDEN	397,300	Oct.	14	236	128	16.7	-	4		1*	1	
	BRESLAU	406,012	Nov.	11		183	23.5	-	1	1	1	1	1
1	MUNICH	445,000	"	11	_	206	24.1	1-1	-	1	4*	2	-
	VIENNA	1,623,134	,,	4	910	565	18.0	-	6	3	6*	2	1
- 100	PRAGUE	384,622	,,	4	216	182	24.5	-	-	3	2	; ' <del>-</del>	- 4
1	BUDA-PESTH - TRIESTE	666,722	.,,	4	462	255	19:9	-	1	10	1	1	. 4
		166,599	Oct.	28	109	85	26.4	-	-	2	-	1	2
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		319,766	"	7	214	191	31.1	- 1	-	-	2*		61
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			-	OND THE OWNER OF THE OWNER, OR	1	l l			l l				

<sup>Including deaths from croup.
† Including 83 deaths from plague in Bombay, and 1 in Alexandria.
‡ Including 1 death from cholera,
§ Including 2 deaths from malarial fever.</sup> 

								-	пе	eoro	ologi	ca 	ı	Obse	rvai	ions	•						59
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Osler's,	irection.	P.M.		WNW, WSW.	WSW. &	SSW.	ENE.	ENE.	ENE. &	NNE & N.	NE.	-	10	vil day, or fr	t the parome ed to the rea aken at 9h. A	into mean (fithe photografer, and expense)	orected medical property of the mean daily very rature and daily very rature and d	f the air is the he of the anemone if the anemone it the anemone it is the anemone i	17 arenoteo	:-P. positiv	derived from	ster increase the 12th; de	om to three .
	General Direction.	A.M.,				S. & SSW.				NNE. N.	SW.		18	The results apply to the civil day, or from midnight to midnight.	v. v. v. v. v. v. v. v. v. v. v. v.	thermometer, are converted into mean daily values by the application of corrections deduced from a disconsisting fittle mean daily values by the application of corrections deduced from a disconsisting of the party of the property of the pa	thermometers. With the corrected mean reading of the dry bulb thermometer is combined the forected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily the day point temperature and degree of humidity are deduced from the mean	The average temperature of the air is that declared from a discussion of the observations made at Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the amenometrizor ecords for the following the following the following the air from a discussion of the amenometrizor ecords for the following the	- "lower," than the average.  The valuesgiven in column 17 arenot corrected for the index error of the thermometer, which cannot be determined.  The record of Blockright at Actived forms of the properties of the condition of th	The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregate duration of bright sunshine on each day.	The reading of the barometer increased from 30°07 in, at the beginning of the week to 30°24 in, by 11h. P.M. on the 12th; decreased to 30°04 in, by 35h. P.M. on the 14th; increased to 30°04 in, by 10h. A.M. on the 17th only decreased to 30°05 in, by 10h. A.M. on the 17th only decreased to 30°05 in, by 10h. A.M. on the 17th only decreased to 30°05 in, by 10h. A.M. on the 17th only decreased to 30°05 in, by 10h. A.M. on the 17th only decreased to 30°05 in, by 10h.	
	Of the Earth	below the Surface,	0	52.51	91.80	51.63	51.40	21.19	16.09	50.63	51.40	l t	1/	sults ap	etion have	neter, al from a 1873 for	neters. od the neters, f illy dew	erage te Greenw rfrom a	r,"than duesgiv annot be	nbols er	imbersi e aggreg	ading of n. by 1 to 39:	
+	tion	Lowest on the Grass,	0	36.8	35.5	32.3	29.2	31.6	30.7	1.97	31.7	101	7.0	The re	no corre Obser	thermor deduced	chermor sombine chermor mean da	Theav made at of the ai	- "lowe The ve which co	The syr	The nt	The re o 30.24 i nerease	the week.
0	Radiation	Highest in Sun's Rays.	0	9.69	74.5	0.18	78.9	0.89	0.79	20.0	2.19	10	10									4-14	
Degree	(Satu-	equals 100).		92	82	84	26	81	18	. 98		i	1.2	ri.		udy a	with I loudles M. A. 40m.	1.M.; Is. A.]	evening, '4h. 30m.		ar fro		
		Least.	0	<u>6</u> 4	6.0	2.0	0.0	2.2	1.8	5.0	1.4	1.5	- O.T	GENERAL REMARKS		lly clo	fine, ring; culp. P. Lih. P. n. at 7h	10h.	even 4h. udy at		nd bo		
and Dew Point	n beracu	Great- est.	0	12.4	9.01	9.8	4.6	8:5	6.5	6.9	9.8	19	10 1	L RED	oudy.	genera at nigl	ing; l even g after ng see	nt till ast aft h. P.M.	st till tween		; fog 8		
1		Mean daily value.	0	7.1	4.5	4.5	6.0	5.4	2.4	3.8	4.5	1=	17	NERA	ally ele	ning; r halo	morn oud til gh fog	revale overeg g at 11	overcast ks betw ; partially	rally.	erally		
Of the		Mean daily value,	0	.40.9	45.0	42.7	43.3	40.3	39.4	1.88	41.4	101	H	GE	Fine; partially cloudy	n mor Luna	s of clarations in site in the	fog r noon; fallin	ally chreat	Cloudy generally.	ast ger	าก	
	De-	parture from Average of 50 years.	0	+ 5.1	+ 6.4	4.6	+ 1.7	+ 3.3	+ 2.5	- 0.3	+ 3.3	6			Fine;	Fine in morning; generally cloudy afterwards. Lunar halo at night,	Cloudy in morning; fine, with large amounts of cloud till evening; cloudiess at might, with high fog after ILh. P.M. A brilliant flash of lightning seen af Th. 40m. P.M.	Dense fog prevalent till 10h. A.M.; very fine till noon; overcast afterwards. A little fine rain falling at 11h. P.M.	Generally overcast till evening, varial breaks between 4h. 30m. 6h. 30m. A.M.; partially cloudy at night,	Cloud	Overcast generally; fog and hoar frost in	arm rom	
Air.	-	Mean daily value.	0	48.0	49.2	47.5	44.3	45.7	44.8	41.9	45.9	00		rizon,	0.6	<u>م</u>	ලා ලා	00 00	ço	Z=0	2.8	Sum 61.8	29
Of the Air.	-	Daily Range.	:0	10.3	10.1	12.6	14.0	0.6	12.2	11.7	11.4	1.1		red Suz									
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
BY DARLING & SON, LTD., 1-3, GREAT ST. THOMAS APOSTLE, E.C.

1899.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 47. 1899. Vol. LX.] WEEK ENDING SATURDAY, NOV. 25. Price 11d.

> General Register Office, Somerset House, November 27th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 19.3 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Weeks ending
Towns.	Nov.	Nov.	Nov. 18.	Nov. 25.	Towns.   Nov.   Nov.   Nov.   Nov.   11.   18.   25.
	18·1 19·5 17·4 25·7 17·4 11·8 23·6 14·8 13·5 13·9 11·3 21·5 16·5	19·0 19·4 24·3 16·1 16·8 14·0 24·9 16·1 16·6 10·2 10·3 15·7	14·0 18·0 22·4 20·6 15·9 15·7 15·9 11·5 12·6 12·7 14·7 19·1 11·7	24·5 24·0 21·6 18·0 16·3 20·3 20·0 18·9 15·2 13·5 13·2 18·1 14·4	Leicester - 18.3 20.2 17.1 19.5 Liverpool - 21.6 25.1 21.2 24.8 London - 18.6 17.3 17.5 17.5 Manchester - 21.6 19.3 18.5 19.5 Newcastle-on-Tyne 19.8 16.6 15.3 19.5 Nottingham - 17.6 18.3 19.6 19.8 Oldham - 18.7 19.7 13.1 18.0 Oldham - 18.7 19.7 13.1 18.0 Preston - 21.3 18.6 25.3 29.7 Salford - 22.9 19.4 16.5 24.6 Sheffield - 21.5 16.5 21.4 22.7 Sunderland - 19.0 18.6 15.4 18.3 Swansea - 15.6 11.1 15.1 16.1
Trans.	18·7 17·8	$\begin{vmatrix} 16.7 \\ 20.2 \end{vmatrix}$	19·4 17·5	$\begin{bmatrix} 28.0 \\ 20.9 \end{bmatrix}$	West Ham   16·3   14·1   12·3   16·8   Wolverhampton -   24·1   20·0   14·7   20·0

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.3 in Sheffield and in Hull, 1.4 in Burnley, 1.8 in Birkenhead, and 2.4 in Salford; from whooping-cough, 1.2 in Croydon, and 1.4 in Norwich; and from "fever," 1.2 in Wolverhampton, and 20 in Nottingham. In none of the thirty-three towns did the death-rate from scarlet fever or from diarrhæa reach 1.0 per 1000. The 97 deaths from diphtheria included 43 in London, 11 in Sheffield, 7 in Leeds, 7 in Liverpool, 5 in Birmingham, 4 in Leicester, and 3 in Cardiff. Twenty-two deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

#### · LONDON.

In LONDON† 2556 BIRTHS and 1526 DEATHS were registered. Allowing for increase of population, the births were 43, and the deaths 165, below the average numbers in the corresponding weeks of the last ten

• By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex-County Lanatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

years. The annual death-rate per 1000 from all causes, which had been 18.6, 17.3, and 17.5 in the preceding three weeks, was again 17.5 last week. During the four weeks ending on Saturday last the death-rate averaged 17.7 per 1000, being 1.4 per 1000 below the mean rate in the corresponding

periods of the ten years 1889-98.

The 1526 deaths included 44 from measles, 13 from scarlet fever, 43 from diphtheria, 16 from whooping-cough, 29 from enteric fever, 10 from diarrhoa and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 155 deaths were referred to these diseases, being 43 below the corrected average weekly number.

The deaths from measles, which had been 33, 42, and 29 in the preceding three weeks, rose again last week to 44, but were 9 below the corrected average; 7 cases belonged to Fulham and 6 to Battersea sanitary areas. The deaths from scarlet fever, which had been 7, 14, and 6 in the preceding three weeks, rose again last week to 13, but were 11 below the corrected average; 3 cases belonged to Islington, 2 to Clerkenwell, and 2 to Greenwich sanitary areas. The deaths from diphtheria, which had been 39, 68, and 56 in the preceding three weeks, further fell last week to 43, and were 10 below the corrected average; 6 cases belonged to Camberwell, 4 to Islington, 4 to Hackney, 3 to Kensington, 3 to Bethnal Green, 3 to Mile End Old Town, and 3 to Newington sanitary areas. The deaths from whooping-cough, which had been 14, 11, and 9 in the preceding three weeks, rose again last week to 16, but were 15 below the corrected average; 4 cases belonged to Poplar sanitary area. The tatal cases of enteric fever, which had been 29, 51, and 55 in the preceding three weeks, fell again last week to 29, but were 7 above the corrected average; 4 cases belonged to Bethnal Green, 3 to Islington, and 3 to Poplar sanitary areas. The deaths from diarrhæa, which had been 22, 13, and 20 in the preceding three weeks, fell again last week to 10, and were 4 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 418, 325, and 324 in the preceding three weeks, rose again last week to 350, but were 75 below the corrected average. The deaths attributed directly to influenza numbered 12, having been 19, 14, and 18 in the preceding three weeks.

Different forms of violence caused 61 deaths, concerning all of which inquests were held. Of these 61 deaths, 6 were cases of suicide, while the remaining 55 were attributed to accident or negligence. Nine of these were referred to vehicles in the streets, 6 to burns and scalds, 5 to drowning,

and 9 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 3503 cases of scarlet fever, 1761 of diphtheria, and 448 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 293 cases, against 331, 328, and 334; of diphtheria, 266 cases, against 230, 218, and 219; and of enteric fever, 54 cases, against 103, 79, and 73.

GREATER LONDON.

In Greater London 3,654 births and 2,054 deaths were registered, corresponding to annual rates of 29.2 and 16.4 per 1000 of the estimated population. In the Outer Ring 5 deaths from measles, 1 from scarlet fever, 18 from diphtheria, 5 from whooping-cough, 5 from "fever," and 7 from diarrhœa were registered. Ten deaths from diphtheria occurred in West Ham District.

### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30·21 inches, and that of the Thermometer 45 °.5; the latter being 3°.4 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 28 per cent. below the week's average in the 16 years 1860–75. No sunshine was registered, nor was any rain measured during the week.

<sup>\*</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is cound after sojourn in the Hospital to have been erroneous.

\* See note \* on that page of this return.

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CITIES	AND BOROUGHS.	Cols.		33 TOWNS.	LONDON.	WEST HAM.	CROYDON.	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH.	LEICESTER.	NOTINGHAM.	DERBY.	BIRKENHEAD.	LIVERPOOL.	BOLTON.	MANCHESTER.	SALFORD.	BITENIEV.	BLACEBURN.	PRESTON.	HUDDERSFIELD.	HALIFAX.†	BRADFORD.†	LEEDS.		-	SUNDERLAND.	GATESHEAD.	NEWCASILE.
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-	Hahrenheit.	10	101	22.0	52.0	1	53.1	53.0	0.00	1	53.5	ı	1	52.4	ı	0.83	1	53.0	ı	1	25.0	ı	1	1 -	1 1	1	1	53.7	1	54.8	١.	1	0.00	1	1	
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Deat	tents under to rest I sear of	17	4.	984	331	22	3 2	1 2	29	t	31	16	6	15	33	10	20	24	11	∞	22	13	46	22	2 2	1.9	2 02	6	-	15	37	24	23	15	13	23
during ending 1899.		=	2.	4216	1596	070	22	48	98	29	123	54	37	34	537	98	62	2 6	27	15	305	99	203	103	25	41	29	76	7.6	74	170	157	126	10	37	- 84
Registered during the Week ending 25th Nov. 1899.	BIRIHS, DEATHE		ri	6539 4	9556	105	COT	00	66	53	222	87	52	7.7	319	54	190	113	29	67	409	202	315	167	73	65	08	27	47	# 85 8	244	230	155	102	22	135
	B 4.	-				-		) cc		_		وم	GI	_		2 %	2 5	1 5		ç,	1 6	2 55	020	44	72	81	504	1 0	104	177	180	160	020	613	552	228,625
POPULATI	estimated to the middle of the Year 1899.*	,	Τ.	11,404,408	4 548 759	200 941	157,777	193 996	190,741	100.637	320,911	185,828	103,722	88 891	514 956	112 966	918.851	920 284	106.401	115 189	616 789	162.221	543.002	218,244	150,772	113,081	135,154	100	105,464	121.12						
		-	is.	1	1		1	3	1 1	1	1	1	1	70	3	1	1	1	1 1		1	1 1	1	1	ī	1	1 1		ر ا							
C EL DE CONTRACTOR DE CONTRACT	AND BOROUGHS.		Cois.	38 TOWNS	- Lacoura	LONDON	WEST HAM	CROYDON -	BRIGHTON -	TOMETH -	BRISTOT.	CARDIEF	SWANSEA -	The state of the s	WOLVERHAMFION	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	Denot -	BIRKENHEAD	LIVERPOOL -	MANCHESTER	SALFORD -	OLDHAM -	BURNLEY -	BLACKBURN-	FRESION	HODDERSFIELD	HALIEAXT -	DKADFORD! -	LEEDS	SHEFFIELD	STANBERAND	GATESHEAD -	NEWCASTLE -
-					ŀ	7	> 3	0 6	11 P	4 6	4 P	1	J W	-	-											-										

Table 2. LONDON.—Births and Deaths Registered in the Forty-Seventh Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2517	2206	2395	2391	2529	2704	2596	2638	2523	2155	2599:2	2556
Males	1301	1059	1175	1223	1317	1379	1314	1400	1295	1082	1319·9	1267
	1216	1147	1220	1163	1212	1325	1282	1288	-1228	1073	1279·3	1289
TOTAL <b>Deaths</b> -  Males  Females	1376	1716	1612	1447	2190	1323	1483	1638	1793	1439	1601°3	1526
	690	827	804	717	1103	655	770	838	891	719	843°1	798
	686	889	808	730	1088	671	718	850	902	720	848°2	728

<sup>\*</sup>The numbers in this column are the average weekly numbers in the forty-seventh week of the ten years 1880-98, raised by 5°213 per cent for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES OF INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WEEKS.

		-	-	Marie Wy										
	•	Sept.	Sept.	Sept 16.	Sept.	Sep 30.	Oct.	Oct. 14.	Oct.	Oct. 28.	Nov.	Nov.	Nov. 18.	Nov. 25.
	Tetal Births	2532	2442	2675	2531	2399	2540	2549	2529	2495	2613	2711	2674	2553
ı	TOTAL Deaths	1931	1934	1643	1649	1456	1564	1637	1567	1844	1626	1506	15:18	1526
	$\begin{array}{c} \text{Ages at} \\ \text{Death} \\ \end{array} \begin{cases} \begin{array}{c} \text{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20 & \text{``} & - & - \\ 20-40 & \text{``} & - & - \\ 40-60 & \text{``} & - & - \\ 60-30 & \text{``} & - & - \\ 80 \text{ years and upwards} \end{array}$	805 265 80 181 261 265 74	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 233 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 363 339 83	334 215 116 218 280 274 69	355 180 93 214 318 300 68	331 226 94 193 305 312 65
	Deaths from—  Small pox  Measles  Scarlet Fever  Diphtheria  Whooping-cough  Typhus  Enteric Fever  Simple Continued Fever -  Diarrhoa and Dysentery -  Cholera	34 5 29 31 - 18 - 368 22	33 5 24 25 - 12 - 322 8	17 2 22 16 18 233 9	17 8 42 19 - 24 - 162 6	15 9 44 23 19 81	21 7 55 10 19 53	20 9 56 10 - 21 - 49	26 6 60 6 - 15 - 25	34 14 59 10 - 40 - 17	33 7 39 14 - 29 - 22 1	42 14 68 11 51 -	29 6 53 9 55 - 55 - 20	- 44 13 43 16 - 29 - 10
ı	All the above Diseases -	507	429	317	278	193	167	165	133	175	145	199	175	155
STREET, SQUARE	Dis. of Respiratory System - Phthisis - Dis. of Circulatory System - Violence - Inquest Cases - Deaths in Public Institutions-	131 140 114 60 134 484	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 123 54 122 507	325 133 107 75 144 509	324 141 148 -57 134 491	3.50 153 141 61 154 485
-	TEMPER/.TURE OF THE AIR.  Mean	63°5 74°1 55°2	65.6 76.5 55.2	57.5 67.0 48.8	54°6 63°5 48°2	52·1 61·0 45·5	49.3 56.6 42.6	47.3 58.9 36.2	47·4 56·6 39·4	51.8 57.4 45.9	53 2 59 1 47 1	50°9 56°2 45°4	45.9 51.3 39.9	45.5 49.0 40.6
	Eumidity of the Air	71	70	73	63	76	83	82	82	90	83	78	84	80
	Rain-fall (in inches)	0:29	0.54	0.27	0.36	1.01	0.20	0.12	0.00	1.30	1.81	2.33	0.00	0.00
	Registered Sunshine (in hours)	53.4	47.5	23 5	38.3	32.5	12.2	38.9	43.3	7.8	22.5	20.9	8.4	0.0
	CASES OF INFECT	ous S	ICKNI	ess in	Hosp	ITALS <sup>4</sup>	AT T	HE EN	D OF	EACH	WEEL	ζ,		1 7
г	Small-pox	2538 1502	2549	2640	2758 1474	28-6	3003	3217	3408	3504	3539	3564	3578	3503

ш	Small-pox -														11 2020			
		-	-	-	~	-	- '			_		-				1 -	1 7	1 3
	errlet Fever	-	-	-	-	2538	2549	2640	2758	28-6	3003	3217	3408	3504	3539	3564	3578	2503
	Diphtheria	-	-	-	-	1502	1461	1485	1474	1.87	1519	1595	1659	1700	1715	1692	1736	1761
Į	Enteric Fever	~	-	-	-	213	224	228	235	252	275	308	331	342	407	426	443	448

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METFOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by Gaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; A arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., I reston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON.-DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4.

		13		F	ORT	Y-S	EV	EN'	TH	N	Teek of the Year 1899.									
	r the	8	Indure	the	We 25th	ek er Nov	ndin emb	er 18	99.	-		, the years	9	atur	In the	he W	eek	endi: emb	ng er 18	99.
SES OF DEATH	ages for the 10 98*.		De	ath	s of ]	Perso	ns	of				f 01		1	Deat	hs of	Per	sons	of	
SES OF DEATH	d Averages eek of the 1839-98*,	AGES,		Jnde 20.		under 40.	under 60.	under 80,	s and ds.	ub,	CAUSES OF DEATH	Averages ek of the 1889-98*,	ES.		Und 20		under 40.	der 60.	under 80.	81
	Corrected 47th Week	ALL AG	0-1	1-5.	5-20,	20 and u	40 and u	n pus 09	80 years a	upwar		Corrected 47th Week	ALL AGES.	0-1,	1-5,	5-20.	20 and ur	40 and under	60 and ur	86 years
ISES	1691.3	1526	33:	220	3 94	198	30	5 312	65		Diseases of Circulatory System }	144.6	141	T T	1	9	16	44	65	6
Vaccinated - Unvaccinated No Statement Fever	0°1 0°2 0°1 52°6 23°5 0°2	13 	-51	36	1 -		111111		11111	The second secon	Croup Bronchitis	5·1 242·7 138·8 7·3 30·6	183 139 2 23	68 42	3 25 25 250 1	16	5 10 - 2	33 15 4	15	
a	12·1 30·8 53·2 0·5 21·8 0·3 14·3	12 10 43 - 29 - 10 -	242 5	1130 - 2 - 2 - 2	11 - 8 -	3 - 15	3 - 4 - 1	3	2		Dentition Quinsy, Sore Throat - Enteritis Gastro-enteritis - } Peritonitis Diseases of Liver - Other Diseases of Digestive System	6:8 2:6 11:2 { 6:5 23:0 28:9	4 2 9 11 3 24 20	3 1 3 - 2 5		- 2 1 1 1 2	1 2 - 3 2	1 2 2 12 4	- - 1 - 5 3	-
and Effects of ation } l Affections	0°1 0°6 10°2 5°9	66	- - 5 2	- 2			- 1 1				Diseases of Lymphatic System & of Ductless Glands	2:2	3	The second secon	1	-	1	_	1	-
and Septicæmia al Fever – – ymotic Diseases	2:4 6:5 1:2	6 2 5 3	- 2	1	-	5 -	-	1 -	-		Diseases of Urinary }	44.5	53	_	2	_	4	20	23	4
nd other Para-}	0·9 0·1	1 1	- '	-			-	-	-		Diseases of Generative } System	6'0 5'2	6 7		-	-	3 7	3	-	-
on, Want of)	2:0	1		1	I						Diseases of Locomotive }	5*9	5	-	2	-	1	-	2	-
-milk }	9.5	12		-	-	_	10	2	-		Diseases of Integumen- tary System-	7.2	5	1	1	-	_	-	3	-
tic Fever, natism of Heart } tism	9·2 3·1 2·6 4·8 71·2 16·0 22·9 168·1 19·1 14·4	14 4 - 3 78 8 20 153 16 11	1 - - 3 6 2 - 1	- 2 1 3 10 2 4 1	2 3	1	2 1 - 34 - 56 3 2	2 2 - 32 - 13 1 2	1 - 1	AND TOTAL PROPERTY.	VIOLENT DEATHS.;  (ACCIDENT.)  By Railways	} >54·7 ⟨	1 9 -		 - - 4	-3 1	- - -	1 1	-41	1 1 1 1 1 1
re Birth sis tal Malforma-}	46·2 4·8 7·8 46·3	62 8 5 53	62 8 4 -	171 1 1	1	1 1 1	1 1 1	28	- - 25		plosions - } By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes		5 9 - 25	9 - 4	- 2	- - 5	2 - 3	2 - 5	1 - 5	_ _ 1
ons iseases of Brain ryous System	43:1 6:5 37:9 79:9	48 5 31 65	- 29 4	- 2 4	1 2 6	-	1	22 2 21	7 - 4	. 101	VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	0.8 7.6 0.1	- 6 -				2 -	3		
of Organs of }	4.1	2	-	-	1	1	-	-	-		OTHER CAUSES	51.9	34	32	1	-	-	-	1	-
numbers in this col	umn are	the	.ver	200	WA	olrl.	7 d	on th	og for		the ten years 1889-98, raise	d by 5:01	2 mar			for	in.			-

numbers in this column are the average weekly deaths for the ten years 1000-000, taked a stion.

those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the death is not certified by a registered practitioner, the case is returned under the heading "no statement." a vidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of a murder, mars aughter or suicide. All such causes are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., legistered in

SUB-DISTRICT during the We	ek endin	g Satı	ırday,	25t	h No	ven	ber	, 189	99.								
				_			The l	DEAT	HS re	gister	ed du	ring	he W	eekir	nelud	9	
	Enume-			Dea	thsof			,		Death	s fro	m					-
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Soarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhoss.	Violence,	Inquest Cases.	
rondon -	4,411,710	2,556	1,526	331	377		44	13	43	16		29	_	10	61	154	4
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON®	778,251 1,040,694 233,635 716,334 1,642,796	382 530 131 484 1,029	245 312 74 297 554 44	50 81 13 61 126	61 65 10 71 156		10 6 2 7 19	2 2 - 4 5	4 12 2 3 22 -	24 1 5 4		4 6 3 8 7	-	3 4	7 13 3 14 24	17 31 6 55 45	1
	90,996 33,510	47 12	24 5	3 -	7 3	-	1 -	1 1		.1.		1 (1	-	1 1	1 -	3 -	
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	61 10	35 15	8 3	10 5	-	_	-	-	 -	-	-	-	-	1	1	-
North Hammersmith $\dagger H$ W. & G South Hammersmith $\dagger H$ W. & C. Fulham $Ww$ - W. & C.	44,638 59,561 113,781	29 28 83	13 16 55	5 3 10	1 6 8		- - 7	- 2	- 4	- 1	111	3	-		- 1 -	3 3	-
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	12 26 13	20 10	- 5 3	1 5 1		- 1		- 1 -	- 1	111	- ĩ	-	- 1 -	1 1 1	1	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	6 27 14 5	10 17 7 6	- 4 3 2	5 - 1	1111	- - 1		1111	1111	1111	1111	1,11,1	1	1 1 1 1	1 1 1 2	A STATE OF STREET, STR
	23,050 12,048	4 5	7	1 -	3 -		1 1			- -		1 1	-	-		1 -	and the same of the same of
NORTH DISTRICTS.  All Souls Marylebone } W.  Rectory Marylebone W G. & W.  St. Mary Marylebone } G. & W.  Christchurch Marylebone H - W.  St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	14 4 27 6 18	15 2 6 5 4	4 1 2	- 1 2 2	1 1 1 1 1	11116	1111	1 1 1 1	1 1 1 1		1 1 1 1	1111	111111	1 1 1 1 1	11,111	And the second of the second o
Hampstead WwHHHHH	75,449	28	13	-	5	-	-	-	3	-	-	-	-	-	1	1	- Property
Regent's Park Pancras $HH$ - W. Tottenham-court $\}$ - N. & W. $WHHHHHHH$ - N. Somers Town $WH$ - N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	16 8 19 27 9 59	6 19 13 14 9 30	3 6 11 1 9	1 2 2 1 2 6	-	1 1 1 1 1	1 1 1 1 1		- - - 1	1 1 1 1 1 1	1 2 - - -	1 1 1 1 1	1 1 1 1 1	12	- 2 1 - 1 2	The second secon
$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWWWHH \\ \text{Islington South-west} & H & - \text{ N.} \\ \text{Islington South-east} & - & \text{ N.} \\ \text{Highbury} & HH & - & - & \text{ N.} \\ \end{array} \right.$	98,273 107,365 66,549 64,577	39 59 44 30	31 16 13	7 11 4 4	15 6 6 2		2 1 -	1	- - 1	- 1 1	1 1 1 1	1 1 1 1		- 1	1 3 2 1	5 5 1	The state of the s
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.& N.	33,485	$   \left\{     \begin{array}{c}       20 \\       19 \\       27 \\       29 \\       28     \end{array}   \right. $	3 4 23 16 26	1529	12235		1 - 2	ī	7 1	- 1 -	11111	- 2 1	1.1.1.1	11111	1 - 21	341	Sent Control of the C

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Districts in which it stands; H—Hospital; L—Lunatic Asylum; l—Frivate Lunatic Asylum in which pauper re-peived. The Roman capitals signify the Water Companics which supply the different Sub-districts:—G. sig 3rand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. Biver; E. East London; and K. the Kent Company.

See note; on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899 and re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, RLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHEA, VIOLENCE, &c., registered in each 3-DISTRICT during the Week ending Saturday, 25th November, 1899—continued.

3-DISTRICT during the Wo	eek endin	g Satı	arday,	, 25t	h No	over	nber	:, 18	99	-con	tinu	ed.						
				_			T	he DE	ATH	Sregi	stered	l duri	ngth	e We	kin.	lude		
	Enume-			-	thso	-				Deat	hs fr	om					ution	Jo
STRATION SUB-DISTRICTS	Popu- lation. 1896,	Total BIRTHS.	Total DEATHS	Infantsunder 1 Year of Age,	Personsaged 60 Years	Smail-pox.	Measles,	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued	Diarrhosa,	Violence	InquestCases	Deaths in Public Institution	Uncertified Causes Death
DENTRAL DISTRICTS.  bury and St. Giles $WH^-$ . N. s North $H^-$ . N.	29,086 9,151	25 8	9 2	2 -	1		1	-		-	-	-	-	-	-	1 -	3	-
nn-in-the-Fields HHN.&C. WHH N. Union Workhouse, Edmonton	13,077 11,839 +1,037	3 2	8 4 2	1 1 1	1 - 2	1 1 1	1 1 1	-	1.1.1		1 1 1	1 1 -	111	1.1.1	1 1 2	-	6 3 2	1 1 1
n wHHHHHH - N. es Clerkenwell - N. l Clerkenwell - N. l-street - N. ad HHHL - N. ross-street - N. es Union Workhouse, am - Workhouse,	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	13 7 18 5 33 4	11 4 6 3 5 2	3213	1 1 1 1	111111	1111111		1	1	1111111	1	1 1111111	1 111111	1	1 1	8	i cirrir.
$\begin{array}{llllllllllllllllllllllllllllllllllll$	9,762 3,299 9,591 9,059 †388	4 - 6 3 -	2 1 10 3 2	- 1 - -	1 1 1			11111	1	-	-	1111	1 1 1 1	11111	2 -	3 -	9 2	1111
EAST DISTRICTS. itch South $Hl - E. \& N.$ New Town $w - N.$ Old Town $ N.$ ston $WH N. \& E.$	17,975 29,575 27,645 47,163	4 21 13 33	10 14 7 24	4233	1 8 1 8		1111		1			- - 1	1117	1111	1 1 2	4313	7 16	1 1 1
1 Green North $H$ - E. 1 Green South E. 1 Green East $WHl$ - E.	49,301 34,194 45,667	34 26 34	11 7 16	5 3 2	$\frac{1}{6}$			- 1 -		1 -	-	1	-	- ī			1 9	
elds E.& N. dd New Town§ WH - E. an's Fields§ E.	26,681 } 51,995 {	23 24 10	13 32 4	1 3 2	2 3 -		2 -	-		-	-	1	-	ī -	1 1 -	3 -	26	
rge, North E. a, St. George East W E.	39,576 7 930	32 4	11 8	4 -	2 4	-	-	-	-	-	-	-	-	-	ī	1	7	-
ell H E.& N. W E. Suse E.	10,434 14,954 32,917	2 6 28	8 3	2 - 2	1 -	-	-	, T	-	-	-	1 -	-	1 -	1 1	2 1 4	4	-
$\left\{ egin{array}{ll}  ext{d Old Town West} & H & E. \\  ext{d Old Town East} \\  ext{ow} & - & E. \\ \end{array}  ight\}$	} 111,060	{ 44 42	18 26	7 3	5 9	-	1	-	2	-	-	-	-	-	-	5 4	- 6	-
WW E.	41,687 69,821 57,759	20 48 56	16 41 19	3 9 3	3 11 -6	-	1	-	-	1 2 1	-	1 2			3 2	3 12 5	1 18 1	-

Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November 1899, and re-named Bloomsbury and St. Giles South.

† Population in 1891, not included in the total population of the Central Districts or of London.

† The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.

techapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE, &c., registered i SUB-DISTRICT during the Week ending Saturday, 25th November, 1899—continued.

SUB-DISTRICT during the We		Javu	il il	1001	. 110	10111				gister	-		he W	eeki	nelud	6
	Wm y			Deat	hsof	1		- MA 1		eaths				JUA 1)	-ozud	
REGISTRATION SUB-DISTRICTS	Enume- rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATHS.	Infantsunder 1 Year of Age,	Personsaged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhosa.	Violence.	Inquest Cases.
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,801 22,879 16,083 21,316 28,723 62,045 30,171	5 10 15 10 9 20 36 23	4 2 14 8 5 11 14 6	1 1 4 3 1 2 2 3	1 1 1 5 5	11111111	2 - 1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	111111		1 - 1 1 1 1 1 1 1 1	2 - 1 2 - 2 -
St. Olave $WH$ S. Bermondsey $W$ S. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	61 21	18 31 16	16 -	2 2 4	-	2 1	111			-	1	- 1-1	ī -	4 -	4 4 -
Waterloo-road <i>HH</i> - L. & S. Lambeth Church 1st <i>H</i> - L. & S. Lambeth Church 2nd <i>WW</i> L. & S. Kennington 1st <i>H</i> - S. & L. Kennington 2nd - S. & L. Brixton <i>w</i> - L. & S. Norwood <i>WH</i> L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	22 12 41 21 17 45 14	8 14 16 13 11 20 4	3 1 3 2 8 2	2 4 5 8 6 10 1	111111	111111	- - 1	1	111111	-	1		- - - 1	1 1 1 1	1 1 3 2 1 1
	71,730 93,385 46,953 58,101 20,566 61,644	51 55 32 38 9 37	17 29 12 16 7 22	2 6 1 2 - 4	3 5 6 4 9	1 1 1 1 1	4 2 2 5-	1 1,1111	- - - 4	1 - 1		- - - 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	2 49 50 49	2 49 30 17	- 6 13 1	18 5 4	1111	1		ī ī		-	1	-	I I I I	- 6 1	- 6 3 -
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	22 46 24 13 26	12 17 12 4 19	3 6 4 1 2	33226	-	3	11111	6 -	2		1		-	2	1 2 2 - 1
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 9 23 22	1 6 27 9	1 3 4 6	3 8 -		. 1 1 1 1	- 1 -	- 6 -	1 1 1 1.		- 2 -	1 1.1 1	1111	- 1	- 2 1
Charlton wHH K. Woolwich Dockyard K. Woolwich Arsenal HHHH - K. Plumstead West H K. Plumstead East WH K.	15,928 19,355 21,959 16,714 42,538	9 6 17 10 42	4 4 5 7 11	1 2 1 2 1	- 1 2 4			2	2	1.1.1.1		1111	11111	1	1	- - - 1
Banstead Asylum	191111111111111111111111111111111111111		5 11 11 2 57 5 4 3	innin mini	2 - 4 - 3 3 - 11			5	1111111111111			1	11111111111111	111111111111		- 1

LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE TTALS, and ASYLUMS).—AREA: POPULATION; BIRTHS and DEATHS registered during the Week ag Saturday, 25th November, 1899.

					-		The	DE/	THS	regist	ered i	n the	Week	inclu	de		
		Enume-		vê.	Dea	thsof				Death	s from	n					- 30
REGISTRATION SUB-DISTRICTS	Area in Acres.	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under Il		Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death
N-OUTER RING -	368,749	1,422,063	1098	528	164	117	-	5	1	18	5	5	7	20	41	63	4
rshalton H	12,228 10,423	26,108 12,508	19 5	9 3	2	$-\frac{1}{2}$	-	1	-	2	-	-	-	-	1	3	-
dstone, part of * W	2,754	1,598	1	1	-	1	2	3-			. = 1	-	-	13 t	1.7	· 150.	3.5
oydon WwHHH teham w	20,851 11,697	128,699 23,072	96 11	40	13	8	-	-	=		3	-	- 55		.4	3	1-
mbledon HHH ngston WH rbiton H her, part of * HH mpton HL	3,220 14,672 4,565	25,777 33,536 12,178 11,080 18,252	22 12 5 6 14	6 8 2 1 1	4 3 1 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1.1.1.1.1	1			1 1 1 1 1	1 1 1 1 1 1	1 -	1 -	111111
chmond WH	2,160 2,823	25,389 16,159	13	11 6:	2.4	5 21	-	1	-		3	un gal	-1		-1-	3	- 2
omley HHH	9,127 6,542 14,307	23,815 21,969 20,372	22 9 11	.5 5 10	2 1	1 1 1		1.1.1				1 1 1		- 2	1.2	1 4	
xley HHH rtford WH, part of -	12,540	30,590	19	12	4	4	- 2	-	\- -	- 1	: - i	1 -	-	-	-	- 2	-
nbury w	11,054 13,277	13,671 13,221	5	5 4	$\frac{1}{2}$	_ 1	-		-	-	-	-	-	-			
llingdon WHH bridge yes wH	6,035 12,757 7,952	12,237 7,253 11,051	9 2 8	35 5	1	1 2 1	7 1 1 1	-	E 1-1	-		1 1 1 1	1 1 1	-1	-1	11	10
eworth WHH rickenham HH rickenham HH rickenham HHHH rickenham HHHHH rickenham WHH rickenham WHH rickenham WHH rickenham WHH rickenham WHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	14 10 20 16 34	9 12 10 1 7	- 2124 - 124	3 1 2 - 3	A 12 12.	-	11111	- - -	11711	1	1111		1 2 -	2 1 1 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
rrow HHH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	8 72 15	6 25 11	- 10 6	3 - 3 3	Je 1 lt 1.		1	1	3 1.4 E.	1111	I I I I	-1	1	- 2	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
th Mimms $HH$ chet $WHH$ cheley $HHH$	} 21,077 4,688	{ 6,367 14,152 25,820	5 7 23	2 8 5	122	2 1	11/1/17	-		-		. 21 .5	1 1 1.		1	3	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	37 89 28 23 1	18 36 16 6 3	3 11 5 2	6 10 4 2 2	131 141 131	- 1 - -	131 18 19 19	1 -	14 12 12 15 1	1	2	1	1	1 5	
theld, part of * W	3,306 9,331	582 7,737	6	2		2	7 14	, <u>-</u>	3	-	5.4. 5.4. 5.4.	1868 1754 1754	I I I	1	1	76.3 10077 1813	1.5
atford H	3,266 4,334 6,501 11,779	\$8,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	28 63 45 29 50 48 59 18	18 37 22 15 21 37 33 4	6 16 8 5 9 13 10 2	2 4 2 2 10 7	H. P. P. P. P. L. L.	1 - 1	10000	1 1 1 3 4	1		1	2 4 1 2 - 2 -	-2 -4 1 -2 2 2	1 9 3	1
mford, part of WH - ord - king Town, H - ding Town, H - slington, dlessex County Asylum, kandsworth, don County Asylum, lanwell,	6,556 8,493 3,814 —	4,324 10,913 14,301	3 17 9 - -	-4 6 1 · 2	1 2 -	2233 -			1 1 1 1 1 1 1	1 -	1 60 9 (45)	10000000000000000000000000000000000000	1 1 1 1 1 1			1 1 1 2 1	

ts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring W8: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in b-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping; 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospitals for Diseases belonging to the Outer Ring in 42; 2, Dartford; 187: 2, Watford, and 187: 2, Epping sub-district

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS and Rate of MORTALITY during the week ending Saturday, 25th November, 1899.

														_	-
				L RATE			The DE	ATH	S regi	stered	l in th	e We	ek inc	lude	
	Area	Population estimated		TALITY Diving.	DEATHS	Dear	ths of				Death	s from	n		
GREATER LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under I Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoes.	-
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	1
GREATER LONDON	443,421	6,528,434	16.4	1.6	2054	495	494	-	49	14	61	21	34	17	8
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	17.5 13.9	1.8 1.1	1526 523	331 164	377 117	-	44 5	13	43 18	16 5	29 5	10 7	2

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692'845 square miles, which is equivathe area of a circle having a radius of 14'851 miles.

. TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

.1			and:	in certain	FOREIGN	CITIES.						
							DE	THS	FROM D	PRIN	CIPAL ES.	Z
CITIES	POPULATION (enumerated		ETURN.	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE	-pox.	les.	let er.	heria	ping- gh.	-da
	estimated).	Week	ending	Exclusive	of Stillborn	per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria	Whooping- cough.	For
	000 007	Nov.	25	134	87	15:2	_	_	1	2	2	
EDINBURGH -	298,927	į.	25	445	290	20.6	_	12	6	6	4	
GLASGOW	733,903	. 99	25	193	220	32.8	-	-38	1	2	-	
DUBLIN	349,594	11										
CALCUTTA	466,460	Sept.	30	-	- 007	49.77	4	7	- 2	?	?	10
BOMBAY	821,764	Oct.	- 31	232	691	43.7	1	. 3	- 2	9	9	-
MADRAS	452,518	99	20	420	377		1				.	
PARIS - "- "-	2,511,629	Nov.	18	1036	813	16.8	-	. 3	1	40	- 1	
BRUSSELS	£61,130	23	· 18	240	151	14.0	-	-	1	3*	-	
AMSTERDAM -	517,595	,,	. 11	291	123	12:3	-	-	1	1	1	
ROTTERDAM -	1	95	11	207	95	15.6	-	-	-	4	2	
THE HAGUE -		19	. 11	101	41	10.7	-	-	-	-	-	
			18	165	123	18.4	-	_	2	3	2	
COPENHAGEN	291,580	97	11	141	93	17.5	_	_	1	7*	-	
STOCKHOLM -	003.055	>2	10	11	53	12.6	-	1	1	2	1	
CHRISTIANIA -	1.	. 55				9314		21	- 9	29	5	
ST. PETERSBURG	1,132,677	- 15	11	l)	465	21.4	5	- 2	9	14	4	
Moscow	988,610	33	11	-	462	24.4	1	. "	. 0	1.1	1	
BERLIN	1,818,517	Oct.	7	-	-	-	-	-	1	-	-	
HAMBURG	675,351	Nov.	18	-	230	15'4	-	1.	1	3*	2	
DRESDEN	397,300	Oct.	. 21	-	136	17.8	-	6	-		2 2	
BRESLAU -	406,012	Nov.	18	11	164	21.1	-	. 2	-	2	2	
MUNICH	445,000	,,,	-18	3   -	172	20.1	-		-	2*		
VIENNA	1,623,134	22	11	832	558	17.8	-	. 9	5	11*	1	
PRAGUE	384,622	22.	11	213	163	22.0	-		4	1	-	
BUDA-PESTH -	666,722	"	13	431	218	17.0	-	2	8	-	1	
TRIESTE -	166,599	"	4	103	102	32.0	-	1	4	5**	-	
ROME	508,779	Oct.	:28	8 209	166	17.0	-	-	-	-	-	
TURIN (10 days)	344,203	,,	1	13	-	-	-	-	-	-	-	
VENICE -	172,288	Nov.		4 61	50	15.1	-	-	-	3*	-	
CAIRO	570,062	Oct.	.2	1 440	319	29.1	-	2	-	6*	-	
ALEXANDRIA -	319,766	1	.2	-	154	25.0	-	-	-	2*	-	
1	510,100	,,	2									
NEW YORK (including	3,550,053	,,	:2	1 1711	1109	16.3	-	3	6	29	7	
BROOKLYN) PHILADELPHIA	) 1	Nov.		4	381	15.7	-	-	2	27	4	
THILADELPHIA	1,200,002	NOV.		_	301	101						
4	1.3			. ]		VI '	-				-	-

Including deaths from croup.
Including H deaths from plugue.
Including I death from cholera.
Including I death from malarial fever.

							Me	etec	orolo	gica		Obser	vation	8.							605
	Ozone.		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26	808;	ns of bulb tions ears	the oum	The near bles.	and	eter,	ate;	veek	ased and; id of	
Gange	whose receiving	surraceis Sinches above the Ground.	in. 0.00	0.00	0.00	0.00	0.00	0.00	00-0	Sum 0.00	25	lofthe	he mea e wet correct wenty y	868 for momete minin	mn 8). m the n rical Ta bserval	ing 1876 higher,"	ectrom	moder	of the v	the 27	
		Departure from Average of 16 Years.	Miles. - 183	92 -	-144	- 45	99 -	+ 30	-108	Sum -591	24	san leve	P.M. T and th ation of	nding l lib ther um and	air (colu uced fro ggromet a of the c	ears end icates "	of the the ering El	ak; m.	dinning o	P.M. of	
	Robinson's,	Horizontal Movement of the Air on each Day.	Miles.	225	157	255	234	328	681	Sum 1505	- 23	midnight.	M., and 9h mometer, he applicande during	y years end dry bu	ure of the vy are dedinable. But a Haller and iscussion that of ho	r the 16 y hat + ind	dexerror	e; w. we.	day.	o in. by 9h ased to 30	
	the t.	Mean of 24 hourly obs.	lbs. 0.0	0.0	0.0	0.1	1.0	0.5	0.0	:	22	htto	3h. P. b ther be by to ords n	twent g of tl of th	perati maidin by Gla	ords fo	thein	gativ	each	to 30.3	
	Pressure on the Square Foot.	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	020	0.0	:	21	nidnig s 159 f	noon y bul value	the eading	of ten e of h reters rrived	icrece 10 in 1	ted for	N. n. eCan	ine or om 30	sezsi eased :; and	
	Pres	Great-	1bs. 0·1	1.00	0.5	1.4	1.3	2.9	0.2	:	50	irom i	A.M.; he dr; daily graph	furing ean r e read	value degre ermon hatde	ometr e born	correct from!	ive; om th	sed fr	sed to	
Osler's.	irection.	P.M.	N.,NW.	N. & NE.	WSW. &	NW WNW.	WSW.	WSW.	SW.	ariable	19	ivil day, or	taken at 9h, arometer, tl d into mear	neter, and corrected mean of the	mean daily erature and wet bulb th of the air ist the 50 year!	of the anem 24 it will b e.	in 17 arenot od. 7 is derived	e:-P. posit	n of bright neter decrea	outh; increase same day h. P.M. on th	
	General Direction.	A.M.	NNE & N.	SW. &	NE. variable	WSW. &	WSW. &	WSW.	WSW. &	Vari	18	The results apply to the civil day, or from midnight to midnight. The height of the civilent of the barometer's 139 feet above the mean level of the sea;	Observations are usually taken at the A.M.; noon; 3h.P.M.; and 9h.P.M. The means of the ever-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections deduced from a discussion of the photographic records made during the twenty years	ending 1873 for the barometer, and during the twenty years ending 1868 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum	Intermoneters, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet builb thermometers by dialisher's Hygrometrical Tables. The average temperature of the shiris that degree of the shiris that degree of the shiris that degree of the shiris that decorated it may a discussion of the observations made at Greenwich during the 60 years ending 1889, and that of horizontal movement.	of the air from a discussion of the anemometric records for the 16 years ending 1875.  In reading columns 9 and 24 it will be borne in mind that + indicates "Moher," and  "Jouer," than the average.	The valuesgiven in column 17 are not corrected for the index error of the thermometer, which cannot be determined.  The record of Electricity is derived from Thomson's self-registering Electrometer.	The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. tirong; and v. variable.  3. The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument.	show the aggregate duration of bright sunshine on each day. The reading of the barometer decreased from 30.39 in, at the beginning of the week	to 30/10 in, by noon on the 20in; increased to 36/20 in, by 91, A.M. on the 2181; decreased to 30/24 in, by 91n, P.M. on the same day; increased to 30/30 in, by 91n, P.M. on the 22nd; decreased to 30/31 in, by 31n, P.M. on the 24th; and increased to 30/27 in, by 15n, P.M. on the 24th; and increased to 30/27 in, by the end of	
	Of the Earth	3 feet below the Surface.	50.40	50.15	49.70	14.67	49*23	49.31	49.35	49.66	17	esults an	rvations e-readin meter, a	1873 for meters.	meters, aily dev alues of verage t	uir from ading co	raluesgi cannot k ecord o	mbols (g; and	he aggre reading	in, by in in, by sed to 3	ek.
	ation	Lowest on the Grass.	28.0	27.4	25.8	40.6	39.0	39.0	43.8	34.8	91	The r	Observation of the contract of	ending thermo	thermo mean d daily v Thea made a	of the a In red	The v which The r	The sy s. stron	show t	to 30'10 to 30'24 decreas	the week
	Radiation	Highest in Sun's Bays.	57.9	53.0	47.8	25.0		55.0	58.0	53-6	15		nd at halo	st in ds.	log in slight nortly	,	Generally overcast till 8h. P.M.; very fine Il 11h. P.M.; cloudy afterwards.				
Degree	midity (Satu-	ration equals 100).	62	06	87	78	11	20	82	080	12	oj.	Cloudy; slight fog in morning and at ight, Gloomy in afternoon. Lunar halo bserved between 9h, and 10h, P.M.	hoar frost tafterwards	light 1 with seen sl	.:	A.; ver				
D	- 1	Least.	3.5	2.0	1.0	3.1	4.5	4.7	4.4	3.3	13	MARE	mori 100n.	d hog	and sards,	ght fog	8h. P.				
and Dew Point	mperatu	Great-	9.0	4.5	8.9	8.5	8.2	10.0	0.9	2.2	13	L RE	og in afteri h. and	fog and lly overca	frost afterw solar	st; slig	st till y after		out.		
u3		Mean daily value.	0.9	2.8	3.7	2.9	0.2	9.4	5.5	5.C	=	GENERAL REMARKS	Cloudy; slight fog in mornin. ight. Gloomy in afternoon. Lu bserved between 9h. and 10h. P.M.	ith fo nerally	hoar budy Faint	Generally overcast; slight fog.	overca	Cloudy generally,	Overcast throughout		
Of the	point.	Mean daily value.	35.5	41.1	35.5	41.2	40.6	39.2	44.3		is	GE	ly; sl Gloon ed bety	Cloudy, with orning; genera	with elg; clonight.	rally o	rally P.M.;	dy gen	east th		
	1	parture from Average of 50 years.	0.1	+ 1.8	F 2.9	+ 5.7	4 5.5	8.9 +	1.0	+ 3.4	5.	•	Cloud; night. observe	Cloudy, with fog and hoar frost morning; generally overcast afterwards.	Fine, with hoar frost and slight fog in morning; cloudy afterwards, with slight fog at night. Faint solar halo seen shortly after 10h, A.M.	Gene	Gene till 11h	Clou	Over		
*)		Mean daily value,	0 41.5	43.9	39.5	47.9	9.24	48.9	49.5	45.5	] x	Sun above Horizon, in hours.	9.8	9.8	9.8	 	8:5	8.4	8.3	Sum 59.5	.29
Of the Air	100	Daily Range,	0.11	13.4	13.1	5.5	2.8	5.5	5.5	8.4	1	red Sur			-						200
		Low-est	35.3	35.8	31.8	44.5	44.3	45.4	46.8	40.6	9	Registered Sunshine in hours.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Sum 0.0	28
		High- est.	46.3	49.2	44.9	49.7	50:1	9.09	52.0	49.0	i c	e.)		ı V	l >>	ally;	۱ ک	out -	out -		
Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 30.254	30.131	30.561	30.269	30.215	30.100	30.212	30-206	4	Electricity, (For explanation of symbols, see Note.)	w. P. generally	w. P. generally	w. P. generally	w. P. generally; m. P. in afternoon.	w. P. generally	w. P. throughout	w. P. throughout		27
	Phases	Moon,	Greatest	Dec. IN,	:	:	:	:	Apogee Last Qr.		20	Et.E (For ex symbo	w.P.	w.P.	w.P.	m. P. in	w.P.	w.P.	w.P.		
		Q.	13	20	21	25	- 53	24	25	1	ם מם	, ci	21	20	র	क्ष	53	- 24	20		,
1899.		MONTH AND DAY	NOVEMBER SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE. NOVEMBER	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col

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1899.

#### OFFICIAL COPY.

# WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

### THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery. Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 48. 1899. Vol. LX.] WEEK ENDING SATURDAY, DEC 2. [Price 11d.

> General Register Office, Somerset House,  $December\ 4th,\ 1899.$

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 18.9 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	٦	Weeks	endin	g	Weeks ending	
Towns.	Nov.	Nov. 18.	Nov. 25.	Dec.		)ec. 2.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	19·0   19·4   24·3   16·1   16·8   14·0   24·9   16·1   16·6   10·2   10·3	14·0 18·0 22·4 20·6 15·9 15·7 11·5 12·6 12·7 14·7 19·1 11·7 14·6 19·4	24·5 24·0 21·6 18·0 16·3 20·3 20·0 18·9 15·2 13·5 13·2 18·1 14·4 12·1 28·0	16·3 19·1 14·3 15·4 16·8 22·9 18·0 15·2 16·3 11·4 15·7 15·2	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3·8 9·4 8·5 9·6 4·7 6·1 8·7 9·9 9·9 1·8 1·8 1·8 1·8 1·6 1·7 1·8 1·7 1·8 1·8 1·8 1·8 1·8 1·8 1·8 1·8

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1:3 in Preston, 1:4 in Birkenhead and in Sheffield, and 3:1 in Hull; from "fever," 1:1 in Birmingham and in Sunderland, and 1.5 in Nottingham; and from diarrhea, 1.0 in Plymouth. In none of the thirty-three towns did the death-rate from scarlet fever or from whooping-cough reach 1.0 per 1000. The 121 deaths from diphtheria included 52 in London, 17 in Sheffield, 8 in Leeds, 7 in Liverpool, 6 in West Ham, 5 in Manchester, 4 in Salford, 3 in Preston, 3 in Portsmouth, and 3 in Cardiff. Fourteen deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

#### LONDON.

Allowing In LONDON† 2439 BIRTHS and 1695 DEATHS were registered. for increase of population, the births were 69 below, and the deaths 4 above, the average numbers in the corresponding weeks of the last ten

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

years. The annual death-rate per 1000 from all causes, which had been 17·3, 17·5, and 17·5 in the preceding three weeks, rose last week to 19·4. During the four weeks ending on Saturday last the death-rate averaged 17·9 per 1000, being 1·3 per 1000 below the mean rate in the corresponding

periods of the ten years 1889-98.

The 1695 deaths included 43 from measles, 8 from scarlet fever, 52 from diphtheria, 15 from whooping-cough, 26 from enteric fever, 7 from diarrhoa and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 151 deaths were referred to these diseases, being 45 below the corrected average weekly number.

The deaths from measles, which had been 42, 29, and 44 in the preceding three weeks, were 43 last week, the corrected average being 54; 7 cases belonged to Fulham, 5 to Islington, 5 to Battersea, and 5 to Wandsworth sanitary areas. The deaths from scarlet fever, which had been 14, 6, and 13 in the preceding three weeks, fell again last week to 8, and were 15 below the corrected average. The deaths from diphtheria, which had been 68, 56, and 43 in the preceding three weeks, rose again last week to 52, the corrected average being 51; 6 cases belonged to Camberwell, 5 to St. Pancras, 3 to Islington, 3 to Hackney, and 3 to Mile End Old Town sanitary areas. The deaths from whooping-cough, which had been 11, 9, and 16 in the preceding three weeks, were 15 last week, the corrected average being 34. The fatal cases of *enteric fever*, which had been 51, 55, and 29 in the preceding three weeks, further fell last week to 26, but were 8 above the corrected average; 3 cases belonged to Islington and 3 to Lambeth sanitary areas. The deaths from diarrhea, which had been 13, 20, and 10 in the preceding three weeks, further fell last week to 7, and were 10 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 325, 324, and 350 in the preceding three weeks, further rose last week to 430, and were 10 above the corrected average. The deaths attributed directly to influenza numbered 17, having been 14, 18, and 12 in the preceding three weeks.

Different forms of violence caused 66 deaths, concerning all but 3 of which inquests were held. Of these 66 deaths, 9 were cases of suicide, and 1 of homicide, while the remaining 56 were attributed to accident or negligence. Four of these were referred to vehicles in the streets, 10 to burns and scalds, 1 to the effects of chloroform administered for surgical purposes, and 11 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 3445 cases of scarlet fever, 1735 of diphtheria, and 461 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 294 cases, against 328, 334, and 293; of diphtheria, 212 cases, against 218, 219, and 266; and of enteric fever, 69 cases, against 79, 73, and 54.

#### GREATER LONDON.

In Greater London 3,478 births and 2,203 deaths were registered, corresponding to annual rates of 27.8 and 17.6 per 1000 of the estimated population. In the Outer Ring 13 deaths from measles, 14 from diphtheria, 5 from whooping cough, 12 from "fever," and 2 from diarrhea were registered. Five deaths from measles, 9 from diphtheria, and 6 from "fever" occurred in West Ham District.

#### METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 30·20 inches, and that of the Thermometer 45°3; the latter being 4°2 above the week's average in the 50 years 1841-90. The direction of the wind was west south-westerly, the horizontal movement of the air being 19 per cent, below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 8·2 hours; the measured rainfall amounted to 0·29 inch.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of eases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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the Week ending 2nd Dec. 1899		BIRTHE, DEATHE.	2.2	6340 4	2439	163	89	99	85	28	206	44	53	332	99	103	119	45	19	445	84	112	68	33	63 50 50 50	55	41	108	233	236	140	90	135	
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OPULATIO	to the middle of the Year		1.	11,404,408	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	218.244	150,772	113,081	135,154	103 464	167.79	236,241	423,889	361,169	234,270	145,613	228,625	
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CILIES	AND BOROUGHS,		Ö	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL -	BOLTON	SALFORD	OLDHAM -	BURNLEY -	BLACKBURN-	HIDDERSFIELD	HALIFAX‡ -	+	LEEDS	SHEFFIELD -	HOLL -	SUNDERLAND	GATESHEAD -	
			_	-	_	-	-			-			_			_	-				_													

TABLE 2. LONDON .- Births and Deaths Registered in the FORTY-EIGHTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2321	1980	2180	2381	2405	2550	2159	2530	2459	2575	2508.3	2439
Males Females	1202 1119	1009 971	1264 1216	1237 1144	1199 1206	1280 1270	1081 1078	1324 1206	1253 1206	1358 1217	1284·4 1223·9	1259 1180
TOTAL Deaths -	1448 729	1527 767	1715 850	1451 735	2235 1150	1347 700	1455 745	1596 846	1725 836	1569 797	1690 <b>6</b> 858 <b>1</b>	1695 879
Females	719	760	865	716	1085	647	710	750	889	772	832.5	816

<sup>\*</sup>The numbers in this column are the average weekly numbers in the forty-eighth week of the ten years 1889-98, raised by 5°215 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

·	in Ho	SPITA	LS, in	the l	Last 1	HIRT	EEN '	WEEK	s.				1
	Sept.	Sept 16.	Sept.	Sep 30.	Oct. 7.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Nov.	Nov.	Nov. 25.	Dec.
Tetal Births	2442	2675	2531	2399	2540	2549	2529	2495	2613	2711	2674	2556	2439
TOTAL Deaths	1934	1643	1649	1456	1564	1637	1567	1844	1626	1506	1528	1526	1695
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \begin{array}{c} \textbf{Under 1 year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20  & - & - \\ 20-40  & - & - \\ 40-80  & - & - \\ 60-80  & - & - \\ 80 \text{ years and upward} \end{array}$	744 250 75 215 313 267 70	572 187 80 201 282 259 62	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 363 339 83	334 215 116 218 280 274 69	355 180 93 214 318 300 68	331 226 94 193 305 312 65	388 209 74 227 551 349 97
Deaths from—  Small pox  Measles  Scarlet Fever  Diphtheria  Whooping-cough  Typhus  Enteric Fever -  Simple Continued Fever -  Diarrhea and Dysentery -  Cholera	33 5 24 25 - 12 - 322 8	17 2 22 16 18 233 9	- 17 8 42 19 - 24 - 162 6	15 9 44 23 - 19 - 81	21 7 55 10 - 19 - 53 2	20 9 56 10 - 21 - 49	26 6 60 6 15 25	34 14 59 10 -40 -17	33 7 39 14 29 - 22	42 14 68 11 - 51 - 13	29 6 56 9 - 55 - 20	44 13 43 16 29 10	43 8 52 15 - 26 - 7
All the above Diseases -	429	317	278	193	167	165	138	175	145	199	175	155	151
Dis. of Respiratory System—Phthisis—————————————————————————————————	170 167 132 65 160 559	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173. 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 122 54 122 507	325 133 107 75 144 509	324 141 148 57 134 494	350 163 141 61 154 485	430 177 143 66 155 532
TEMPERATURE OF THE AIR.  Mean	65.6 76.5 55.2	57.5 67.0 48.8	54.6 63.5 48.2	52·1 61·0 45·5	49·3 56·6 42·6	47.3 58.9 36.2	47.4 56.6 39.4	51.8 57.4 45.9	53.2 59.1 47.1	50.9 56.2 45.4	45.9 51.3 39.9	45.5 49.0 40.6	45°3 50°5 39°4
Humidity of the Air	70	73	68	76	86	82	82	90	83	78	84	80	82
Rain-fall (in inches)	0.24	0.27	0.36	1.01	0.50	0.12	0.00	1.30	1.81	2:33	0.00	0.00	0.29
Registered Sunshine (in hours)	47.5	23.5	38.3	32.5	12.2	38.9	43.3	7.8	22.5	20.9	8.4	0.0	8:2
CASES OF INFECT	ious s	ICKNE	SS IN	Hosp.	ITALS	AT T	HE EN	D OF	EACH	WEER	ς.		
Small-pox	2549 1464 224	2640 1486 228	2758 1474 235	2836 1487 252	3003 1519 275	32171 1595 308	3408 1659 331	3504 1700 342	3539 1715 407	3564 1692 426	3578 1736 443		1 3445 1735 461

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plyanouth; R. C. Cann Lippincott, Esq., Bristol: E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkiagton Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

ABLE 4. LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the FORTY-EIGHTH Week of the Year 1899.

			F	ORT	y-E	IGI	HTE	I /	Vee	k of the Year 1899.	m m 1	1		-				_	-,
	the	I Satur	n the	2nd	ek en Decer	ding nber	1899	). 	1		for the 10 years	Sa	Inturd						-
;	es for	I	eath	s of l	Perso	nso	f		Action of the last				De	aths t	of E	erso ges	ns of	E '	_
USES OF DEATH	Averages of the 1889-98*,		Und 20		under 40.	under 60.	er 80.	and	THE TAXABLE STATES OF THE PARTY	CAUSES OF DEATH	ed Averages eek of the 1889-98*,	38.	7	7nde 20.	r	under 40.	and under 60.	and under 80.	s and
	Corrected 48th Week	ALL AGES	1	5-20.	70	and	60 and under 80.	S0 years	upwards.		Corrected 48th Week	ALL AGES.	0-1.	1-5.	5-20.	20 and ur	40 and us	60 and u	upwards,
AUSES		1	88 2	09 7	4 22	7 35	31 34	99	7	Diseases of Circulatory System	141.0	143	BEST SCIENCE SELECTION OF STREET	1	9	18	34	69	12
II- {Vaccinated† - Unvaccinated No Statement les	0·2 0·1 54·0 22·6 0·1	- - 43 8 -	-	5	1 1 2 -		-   -		A T	Croup	4.6 246.7 133.8 5.5 29.1	1 236 154 9 30	87 53 1		4	13 3 1	37 17 37 17 3	2	1 1
psing Fever	15.6 33.6 50.6 0.4 18.0 - 16.6	17 15 52 - 26 - 7	3	- 6 35 1	6 16	3 - 3	4	5	I I I I I I I I I I I I I I I I I I I	Dentition- Quinsy, Sore Throat Enteritis - Gastro-enteritis - Peritonitis Diseases of Liver Other Diseases Digestive System	7·2 1·3 12·0 { 6·9 26·8 32·1	1 9 10 3 34 25	I I	- 2 -	1 - 1	176	- - - - 1 18	- 5 1:	1 -
ittent Fever rophobia ders pox and Effects of ceination preal Affections	0.7	10	- 6	-		-	-	- 1	I I I I I I I I I I I I I I I I I I I	Diseases of Lymphatic System & of Ductless Glands -	2:5	2	CONTRACTOR MINISTER PROPERTY.	-		-	-	2 -	-
sipelas mia and Septicæmia rperal Fever er Zymotic Diseases	6·1 3·1 4·6 1·8	549	1 - -	-	1	7	1	2 -	1 1 1	Diseases of Urinary System	47.9	41	To the second se		1	7	2	1 1	1 1
ush	0.7	- 1	-	- 10		-	-	 	1	Diseases of Generative System - Accidents of Childbirth	1	_	5 -		- 1	1 3		2 -	
tical Diseases - J	-									Diseases of Locomotive System	}		6 -	-   -	- 2		-	2	1 1
vation, Want of reast-milk	2:2	2 18	1 -	-	-	3	12	3	-	Diseases of Integumen- tary System-	} 6.7		5	3	-		-	1	1 -
eumatic Fever, beumatism of Heart sumatism  it	1.8 3.4 3.9 64.4 15.7 20.7 160.7 18.3	7 3 4 3 89 16 177 24 17	- - 1 - 4 77 16	2 1 4 8 2 11 1	1 1 13 2	3 - 6 - 89 3 4	1 2 2 38 - 57 2 4	12 42 - 15 - 5	1 - 2 - 1	VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses In Ships, Boats, Docks (exclusive of Drowning) - In Building Operations In Configgrations - By Burns, Sealds, Explosions -	-		44 1 1-10 3	- 1	_	-   1	3 1 - 1 - 2 -	3 1 - 1 1	1
emature Birth - electasis ngenital Malforma- ions d Age	49.9 4.0 9.4 49.5	56 5 5 59	56	5 -	-	-	-	25	-	By Drowning - By Suffocation in Bed By Poisons or Poisonou Vapours Other or not stated causes -	8		11 3 19		1	-	-	2 2	5 3
ooplexy pilepsy provulsions ther Diseases of Brain and Nervous System	- 46.6 7.7 40.3 78.0	54 8 31 77	- 2' 1	7	2 4 0 1	71-7	19 3 - 22	2		ACCIDENTAL).	- 2°	03	19	1 1 1	1 -		4 -	5	
iseases of Organs o Special Sense -	f } 4.2	5	-	-	3	-	2	-		OTHER CAUSES -	-   53'	0	43	39	2	-	-	-	2 -
		18	5		1	1	1	1	1	The second secon		-	-						

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase f population.

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent. for increase f population.

Which are so certified by registered to 10°10 the deceased has, or has not, been vaccinated, or when the nedical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the ause of death is not certified by a registered practitioner, the case is returned under the heading "no statement." ause of death is not certified by a registered practitioner, the case is returned under the heading "no statement." The evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of ceident, murder, mars aughter or suicide. All such causes are classed under "accident."

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in TABLE 5.

					C MERCH SHIPE			The	DEAT	HSre	gister	ed du	ring t	he W	eeki	aclud		
		Enume-			Dea	thsof					Death	s fro	m,					
REGISTRATION SUB-DIST	RICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infants under I Year of Age.	Personsaged 60 Years and upwards.	Stall-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhea.	Violence.	Inquest Cases,	The state of the s
LONDON -		4,411,710	2,439	1,695	88	446	_	43	8	52	15		26	_	7	66	155	
AND ASYLUMS	SPITALS UTSIDE	778,251 1,040,694 233,635 716,334 1,642,796	348 501 129 499 962	279 370 84 352 574 36	68 59 22 87 152	86 114 17 78 134		11 5 1 9 17	2 3 - 2	4 14 5 6 23	4 4 - 5 2 -	11111	4 5 1 7 9		2 - 32	16 17 1 13 19	24 36 6 40 49	10 12 3 11 13
REGISTRATION LON  WEST DISTRICTS St. Mary Paddington  WHH		90,996	41	29	8	13	-		-	T-COUNTERPORT			-			1 3	1	
St. John Paddington $H$ - Kensington Town $Ww$ -	- w.	33,510 122,164	50 10	52 14	5 1	22 9	-	-	-	-		1 1	1	-	1	1	3 2 2	64
Brompton $HH$ North Hammersmith† $H$ South Hammersmith† $H$ Fulham $Ww$	W. & C. W. & G.	48,301 44,638 59,561 113,781	24 32 86	18 15 52	9 4 21	6 4 3	1 1 1	- 18	- 1 1	- 4	- 3		- 2	-		1 2	1 4 2	
Chelsea Kensal Town Chelsea North WHHHH Chelsea South HH	C.	21,450 42,057 33,139	11 13 18	3 21 8	2 2 1	12 2		- 1	-	1 1 1			een ene	111	1	- 1	- 1	
May Fair W Belgrave WHHH	- G. - C. H- C.	23,827 56,140 31,492 22,097	3 16 14 7	9 24 11 8	1 5 5 2	5 2 1	1 1 1	- 1	1111	1111	1	1111	- 1 -	1 1,1 1		4 1 1	2 4 1 1	
$\left\{egin{array}{ll}  ext{St. James Westminster} \ WH \  ext{St. Anne Soho} & HHHHH \end{array} ight\}$	N. & G. - N.	- 23,050 12,048	11 6	3	1	_ 1	-	1 -		-	-	1.1	-	-	-		-	The second second
NORTH DISTRICT: All Souls Marylebone HHHHHHHHHH Rectory Marylebone W St. Mary Marylebone HHHH Christohurch Marylebone St. John Marylebone HAmpstead WwHHHH	- W. G. & W. G. & W. H - W	36,595 19,798 19,637 32,547 32,611 75,449	14 9 23 19 16	15 8 4 7 4 30	1 1 1 1 2 8	5 3 2 3 1			3	7	1 1 1 1 1 1		2	-	1 1 1 1 1	1 2	1 2 2 - 3	1
Regent's Park Pancras I	H - W. N. & W. - N. - N. - N. - N.	37,341 26,757 29,426 32,161 16,669 98,410	13 19 13 17 7 39	10 20 14 13 10 39	1 5 2 1 1 5	3 1 2 4 8 11		-	-	-	11111	1 1 1 1 1 1	1		11111	1 1 1 1 1 1	1 2 2 1 2 3	]
Upper Holloway WWWWHH  Islington South-west Highbury HH  -	- N. - N. - N.	98,273 107,365 66,549 64,577	39 40 34 32	50 27 22 21	1 9 5 4	18 7 10 6		2 3		-	1 - 1	1 1 1			1 1 1 1	4 1 - -	5 2 -	
Stoke Newington H North Hackney - Central Hackney ww South-west Hackney HH South-east Hackney Wwl	E. & N. E. & N. H E. & N.	33,485	$   \begin{bmatrix}     12 \\     21 \\     34 \\     34 \\     31   \end{bmatrix} $	6 12 10 25 23	11324	3 .5 - 10 8			01111	511	1 - 2	11111	- 1 1	1 1 1 1		- - 5 1	2 1 6 1	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Trivate Lunatic Asylum in which paupers received. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. sign Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. River; E. East London; and K. the Kent Company.

\* See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899 and vro-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEEA, VIOLENCE, &c., registered in each

							The	DEA	THS	regist	ered	durin	gthe	Week	inch	ıde		
	Enume-			Deat	hsof				I	Death	s fro	m		. •			utions	of
HISTRATION SUB-DISTRICTS	rated Popu- Iation. 1896,	Total BIRTHS,	TotalDMATHS	Infantsunder I Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhœa,	Violence	InquestCases	Deathsin Public Institution	Uncertified Causes Death.
	·													THE RESERVE THE PERSON	1			
CENTRAL DISTRICTS.																ļ		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	29,086 9,151	16 6	9 4	1	2 -	-	1 -	-	-	-	-		-	1 1	-	1 -	3	-
rtin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 †1,037	3 6 -	10 11 -	- 4 -	2 -	-		-	ī -				-	-	-	-	6 8 -	
orn wHHHHHH - N. mes Glerkenwell - N. ell Clerkenwell - N. ell-street - N. coad HHHL - N. erross-street - N. erroy - N. err Unton Workhouse, cham	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	11 14 20 11 29 1	737391	2133611	222	1.11111.	1 1 1 1 1 1 1 1		2 -	111111	1, 111111	1111111	1111111		111111	1 1	2 -	1111111
otolph‡ $HH$ N.&E. legate N. pulchre $WH$ N. llows Barking N. fLondon Asylum, Slone -	9,762 3,299 9,591 9,059 †388	2 3 6 1	2 3 13 2 -	1	2 2 1 -	1 1 1 1	1 1 1	-	2	1 1 1 1	1111	1			- 1	ī ī	11	11111
EAST DISTRICTS. editch South $Hl$ - E. & N. on New Town $w$ - N. on Old Town N.	17,975 29,575	11	3 10 11	2215	- 5		1 1	1 1		1 1				-		2	5	
on Old Town $N$ . erston $WH$ $N$ . & $E$ .	27,645 47,163	12 38	21	5	5	-	1	-	1	-	_	-	-	-	-	1	10	-
nal Green North $H$ - E. nal Green South E. nal Green East $WHl$ - E.	49,301 34,194 45,667	41 27 22	20 15 31	5 5 9	2 2 5	1 1 1	1	1 1 1	1	1		1	-		1	1.	13	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	26,681 } 51,995 {	22 37 7	7 43 5	- 8 2	4 5 2		2 -		1 1 1	111	1 1 1	ī		1 -	3 -	2 7 -	- 39 -	-
eorge, North E. ohn, St. George East W E.	39,576 7 930	32 3	10 5	6 1	1 2	-		-	-	1 -	- -	ī	1 1	-	-	=	- 4	-
	14,954	6 11 20	7 9 15	3 4 2	1 2			-	-	- 1		1	-			2 5	3 -	
End Old Town West $H$ E. End Old Town East $-$ E.	} 111,060	{ 56 47	16 36	6 4	2 13	-	1	_	1		-	ī	-	1 1	1 -	1	13	-
l - $L$ - $E$ , $l$ $l$ $l$ $l$ $l$ $l$ $l$ $l$ $l$ $l$	41,687 69,821 57,759	28 44 24	14 48 26	7 7 8	1 16 10	-	2		1 1	1 - 1	-	2 -		1 1 -	1 4 2	2 8 5	1 23 -	-

The Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November 1899, and re-named
Bloomsbury and St. Giles South.
† Population in 1891, not included in the total population of the Central Districts or of London.
‡ The Sub-Districts of Mt. Besche and Broad Street were united on 1st September 1899.
Whitechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Table 5. LONDON.—Population; Births; Deaths from all Causes, and from SMALL-POX, ME. SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in Sub-District during the Week ending Saturday, 2nd December, 1899—continued.

	SUB-DISTRICT during the Wee	k ending	Saturo	1ay, 2	211.U	Dece	Name and Address of the Owner, where	20.00	DEATI				ing th	e We	ekino	lude	-
					Dest	hsof					athsi					1	
	REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBlarns.	Total DEATHS.	Infantsunder 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	ScarletFever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa.	Violence.	InquestCases.
St Bo Lo	SOUTH DISTRICTS.  aristchurch Southwark WHL.&SSaviour Southwark S. & L. brough-road WH - S. & L. brough-road HL - L. & S. cinity Newington - S. & LPeter Walworth W - S. & LMary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	8 8 17 12 16 13 45 20	3 24 7 9 10 14 9	22433544	1   12   41		2 - 1 - 1 -		1	1111111	111111			T	1	1 2 1 4 1 2 3
B	of Colave $WH$ S. ermondsey $W$ S. & K. otherwithe $Ww$ - S. & K.	11,731 85,475 40,379	5 65 34	12 25 24	12 3	2 4 9	1 1 1	1	-	ī	-	-	1 -		1 1 1	1	1 3 -
L L K K	Taterloo-road $HH$ - L. & S. ambeth Church 1st $H$ - L. & S. ambeth Church 2nd $WW$ L. & S. ennington 1st $H$ - S. & L. ennington 2nd - S. & L. ennington $WH$ L. & S. Corwood $WH$ L.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	38 11 28 36 18 30 11	8 15 18 15 11 28 2	1 -	6			1	1 1 -	111111	111111	1 - 1 - 1 -	111111	1	- 1 - 1 - 1	1211111
V C V	ast Battersea S. Vest Battersea WwH S. lapham H S. Vandsworth WHHL S. treatham WwwwwL L.	71,730 93,385 46,953 58,101 20,566 61,644	29 44 27 44 7 34	21 34 20 13 4 20		5 2 2 2		1 2 1	-		1	-	- 3	11111	11111	1	3 4 - 1
C	Oulwich L. & S. A. L. & S. & L. & S. & L. & S. & L. & S. & L. & & S. & L. & & S. & & L. & & S. & & & & & & & & & & & & & & & &	7,519 90,286 88,242 67,029	55	51 25 19	139	7 18 3 9 7 4	١.		2 -	1	- 1 - 1	-	1111		1 -	- 1	- 5 2 1
1	Deptford North K Deptford Central w K Deptford South K Breenwich West H K Greenwich East WH K	45,441 33,402 23,012	13 12		6	4 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		-   :		-	1	11711	1 1 -	11111	11111	2 - 1 1	2 1 1
	Eltham $wH$ $ ext{K}$ Lee $H$ $ ext{K}$ Lewisham $WwH$ $ ext{K}$ Sydenham $H$ $ ext{L}$	24,222 38,139	31	2	2 8 1 8	4 3	3					-	-	-	-	1 1 33 1	1 00 1
	Charlton wHH R Woolwich Dockyard R Woolwich Arsenal HHHH R Plumstead West H R Plumstead East WH R	19,35	9 5		8 9 8 5 1	4	2	-		- 3		_				1111	1 22 1 1
	Banstead Asylum				4 31 - 4 971 - 25	11111111111111	2 3 1 - 1 4 2 - 1 3			1						-	11111111

6.—LONDON.—OUTER RING (excluding Deaths of Londoners in Metropolitan Workhousf, Sepitals, and Asylums).—Area; Population; Births and Deaths registered during the Week ding Saturday, 2nd December, 1899.

					Por	hsof	1	20 012	THS				11 ees	THEIL	ide	1	
REGISTRATION SUB-DISTRICTS	Area in Acres.	Enume- rated Popu- lation, 1891.	BIRTHS.	DEATHS.	Infants under 1 C	aged 60 & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoss.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
DON-OUTER RING -	368,749	1,422,063	1039	508	133	143	-	13	-	14	5	12	2	10	26	64	1
Carshalton H Epsom, part of WwHH -	12,228 10,423	26,108 12,508	12 5	4 4	$\begin{vmatrix} 2\\1 \end{vmatrix}$	- 2	-	-	-	-	-	-	-	ī	-1	- 2	-
Godstone, part of * W -	2,754	1,598		-	-		-	-		-	-	-	-	-	-	-	
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	$\begin{array}{c} 74 \\ 12 \end{array}$	34 5	6 -	15 3		-	-	-	-	1		-	1 -	12	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252\end{array}\right.$	12 20 3 5 14	4 14 2 6 5	- 1 1	28 - 22	1 1 1 4 1		11111	1111	1111	- 1 -	1111		1	5	
Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	10 10	10 5	3	4 3	-	1	-	-	-	-	-	2 -	2 -	4	
Bromley $HHH$ Beckenham $H$ Chislehurst, part of * $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	13 9 7	4 8 4	3 2 1	- 2 1		1 1 1	112	-	1 1 1	-		- 1 -	111	1	
Bexley HHH Dartford WH. part of * -	12,540	30,590	20	12 2	4	4 2	-	-	-	-	1 -	-	-		-	2	
Sunbury w Staines WH	11,054 13,277	13,671 13,221	10 10	4 8	1 1	3		-		-	- 1	=		-	-	2	
Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	9 5 9	- 5	$\frac{1}{2}$	1 - 2		-	-	-		-			-	-	
Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	15 5 12 9 17	16 5 7 8 5	1 1 - 1 2	6 1 4 - 1	1 1 1 1 1	- 1 1		1111		1	1111	1	3 - 1	6 -	
Harrow HTH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	10 2 54 12	5 1 26 9	1 12 1	1 - 32		2		1 2 -	- 1	1.1.1.1	- 1 1 1	1 - 1	1 - 1	- 2 2	
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	31,077 4,688	6,367 14,152 25,820	1 7 8	1 3 7	1 2	- 3	-		-	-	-		-	1	1 1	-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	23 79 37 36 2 5	16 39 9 7	3 12 2 1	7 8 2 2 1		1 1	11111			2 -	11111		1 3	1 2	
Hatfield, part of* W Bushey H Watford WH, part of* -	3,306 9,331	582 7,737	6	- 5 1	1	- 2 1	-	-	-	-	-	-		-	-	1	
Stratford   H	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	31 56 38 38 60 65 91 4	16 39 16 16 23 31 27 5	5 14 4 11 7 7 1	3 1 6 3 9 10 3		3 1 1 1 - 1 1		6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	1 1 3	1 1	1 - 1	- - 2 1 1 1	7 1 10	
Romford, part of WH - Hord - Barking Town, H - Middlesex County Asylum, Wandsworth.	6,556 8,493 3,814	4,324 10,913 14,301 —	6 23 18	295 3	- 2 5 -	3 1	-		-	2 -				1111	2 -	3	

parts of sub-districts included within that portion of the Metropolitan Police District which forms the Onter Ring illows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham ley in Godstone sub-district; except the parish of Esher (pop. 2,282); 41: 3. Chislehurst rict, except the parish of Esher (pop. 2,282); 41: 3. Chislehurst rict, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in sub-district; 187: 1, Chigweli sub-district, except the parish of Theydon Bois and part of the parish of Epping 79); 189: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospitals for Diseases belonging to the Outer Rim in 42: 2, Dartford; 137: 2, Watford and 187: 2, Epping sub-district

TABLE 7 .-- GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS 8 Rate of MORTALITY during the week ending Saturday. 2nd December, 1899.

			ANNUA	L RATE			The D R	ATH	s regi	stere	in th	16 We	ek ind	lude
GREATER	Area	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of				Deatl	hs fro	m	
LONDON	Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles,	Scarlet Fever,	Diphtheria.	Whooping-	Fever.	Diarrhosa.
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14
GREATER LONDON	443,421	6,528,434	17.6	1.6	2203	521	589		56	8	66	20	38	9
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	19 <sup>4</sup> 13 <sup>4</sup>	1·7 1·2	1695 508	388 133	446 143	-	43 13	8 -	52 14	15 5	26 12	7 2

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equive the area of a circle having a radius of 14.851 miles.

. TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH. GLASGOW, DUBLIN and in certain FOREIGN CITIES.

			anu	ın certain	POREIGE	VOITIES.						
	POPULATION					ANNUAL	DE.	ATHS		PRI	SES.	ιZ
CITIES	(enumerated or	DAT OF RET		BIRTHS.	DEATHS.	DEATH- RATE	-pox.	sles.	rlet er.	heria	ping-	4
	estimated).	Week e	nding	Exclusive	of Stillborn	living.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria	Whooping- cough.	100
EDINBURGH -	298,927	Dec.	2	137	. 108	18.8	_	_	1	~	_	1.
GLASGOW	733,903	,,	2	452	296	21.0	-	14	3	1	1	i,
DUBLIN	349,594	92	2	154	259	38.6	_	29	2	2	1	
	466,460	Oct.	7	-	262	29.3	_				1	5
CALCUTTA BOMBAY	821,764	Nov.	. 7	158	731	46.3	3	7	P	2	2	1
MADRAS	452,518	Oct.	27	411	356	40.9	_	3	P	9	?	-
					886	18:3		2	3	3*	. 2	,
PARIS	2,511,629	Nov.	25	1112	146	18'3	-	Z	3	3** 1*	- 4	
BRUSSELS	561,130	- 37	25							_		
AMSTERDAM -	517,595	99	18	272	136	13.6	-	-	-	2	-	
ROTTERDAM -	315,305	17	18	254	99	16.1	-	_	1	3	-	-
THE HAGUE -	199,285	37	18	104	53	13'8	-	1	2	-	3	
COPENHAGEN -	349,000	39	25	208	113	16.9	-		1	1	2	-
STOCKHOLM -	291,580	97	18	146	73	13.0	-	-	-	3*	- 11	1 44
CHRISTIANIA -	221,255	22	25	162	66	15.5	-	1	2	2	1	
ST. PETERSBURG	1,132,677	,,	18	639	466	21.5	3	18	15	30	2	1
Moscow	988,610	,,	18	-	441	23.3	1	4	10	4	1	
BERLIN	1,818,517	37	11	892	568	16.1	_	2	16	14	9	
HAMBURG	675,351	37	25	_	171	13.2		_	2	2*	_	
DRESDEN	397,300	Oct.	28	-		~	_	-	_		· ,,,,	-
BRESLAU	406,012	Nov.	25	-	181	23.2	_	2	1	2	_	
MUNICH	445,000	99	25		173	20.2	-	400	1	2*	-	
VIENNA	1,623,134	32	18		_		_	_	~	_	_	_
PRAGUE	384,622	37	18	171	144	19.4		_	1	6	. 3	
BUDA-PESTH -	666,722	37	18	433	285	22.2	_	4	7	_	-	
TRIESTE	166,599	39	11	95	73	22.6	1	-	3	3*		
ROME	508,779	39	4	227	156	16.0		1	_		_	1
TURIN (10 days)	344,203	Oct.	10		-	1		-	_		_	_
VENICE	172,288	Nov.	11	74	55	16.6	_	_	_	4*	_	-
CAIRO	570,062	Oct.	28	453	302	27.5		3	_	4*	_	
ALEXANDRIA -	319,766	,,	28	199	144	23.4	_	_		2*		1
NEW YORK	120,110	"	-0		***					-		
(including }	3,550,053	,,	28	1426	1130	16.6	-	8	4	29	9	2
BROOKLYN) ) PHILADELPHIA -	1,266,832	Nov.	11		314	12.9			4	26		
	2,000,002	2101.	11		011	120			7	20		
1	1			H		1						

<sup>•</sup> Including deaths from eroup. † Including 28 deaths from plague in Calcutta, and 71 in Bombay. ‡ Including 8 death from cholera in Calcutta, and 1 in Bombay. § Including 4 deaths from malarial fever.

							202			good		0867	vairo	13,						,	011
	Ozone.		0.5	1.5	0.0	0.0	0.0	0.0	0.0	0.3	26	308	ns of bulb	the the	The	nons nons nent	and eter,	ate;	reek	and	
Gange	whose	surraceis finches above the Ground,	in.	0.00	0.00	0.00	0.00	0.29	0.00	Sum 0.29	25	of the	he meal	wenty y 1868 for momete	mn 8).	rical Ta observat I moven ling 1875	higher,"	Electrometer. m. moderate; ne Instrument,	of the w	30.34 in ber 1st;	
		Departure from Average of 16 Years.	Miles.	+	4	-135	-190	88 +	98 -	Sum -397	94	ean leve	P.M. T and th ation of	ng the t ending J	air (colu	ygromet nof the rizonta ears end	icates". of the tk	ering E. ak; m. inshine	rinning 10h	based to Decem	
-	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	- 102E	256	163	109	388	215	Sum 1690	23	midnight	M., and 9h mometer he applic	nade duri y years ne dry bi	e maxim reofthe yareded	discussionate of her the 16 y	1at + ind dexerror	Thomson's self-registering N. negative; w. weak; eCampbell-Stokes Sunshi	day. ut the beg	lay; incre	No. of the last of
	he	Mean of 24 howrly obs.	lbs.	0.5	0.1	0.0	0.0	9.0	0.1	:	557	htto	3h.P.1 ther is by t	ords n twent of th	of th perati imidit	by Gig rom a and t	ind their	gative	each	ame c	
	Pressure on the Square Foot.	Least.	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig s 159 re	noon; bull	ic rece the sading	lings of tem e of hi	rived fig 1890	e in n tedfor	Chorns N. ne eCam	ine on om 30.	the s	
	Press	Great-	1bs.	10 P	2.1	0.1	0.3	0.0	1.0	:	30	rom neterig	A.M.; 1e dry daily	graphi Iuring ean re	e read value degre	hatde hatde endin	e born	from live;	sunsh sed fro	d to 2	reek.
Osler's.	irection.	P.M.	WSW &	SW. WSW.	WSW.	Variable	ESE, SSE.	SW, NNW.	i i i i	SW.	1 61	The results apply to the civil day, or from midnight to midnight.  The height of the civil day abromater is 158 feet above the mean level of the sea	Observations are usually taken at 91, A.M.; noon; 3h.P.M.; and 9h.P.M.; The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb chermometer, are converted into mean daily values by the application of corrections.	deduced from a discussion of the photographic records made during the bwenty years ending 1868 for the ending 1868 for the the parometer, and during the twenty years ending 1868 for the theorems. With the corrected mean reading of the dry bulb chermometer is	combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperatures and degree of humidity are deduced from the mean mean daily dew point temperature and degree of humidity are deduced from the mean	daily values of the dry and wet bulb thermometers by chaisher's Hygrometrical Tables. The average temperature of the air isthat derived from a discussion of the observations made at Greenwich during the 30 years onding 1890, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875.	The reading columns 4 and 24 it will be borne in mind that + indicates "higher, and "Jouer," than the average. "Jouer," than the average. "The values given in column 17 are not corrected for the index error of the thermometer, hich cannot be determined.	The record of Electricity is derived from Thomson's self-registering Electrometer. The record of Electricity is derived from Thomson's w. weak; m. moderate; s. strong; and v. variable.  The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument,	show the aggregate duration of bright sunshine on each day. The reading of the barometer decreased from 30°Z1 in, at the beginning of the week to deep in, the first of the week of the invessed to 90°32 in, at the beginning of the Norman	To yiii. Am. on Ardynanova han, more concerned to the concerned of the concerned of the concerned to 802 ft. in. by 8h. Ph. on the same day; increased to 803 ft in. by on November 29th; decreased to 2948 in. by 8h. Ph. on December 1st; and	increased to 30.30 in, by the end of the week.
	General Direction.	A.M.	S W	WSW.	WSW.	WSW.	SSW. &		AW. W.	WS	18	oply to the c	are usually gs of the b	r the baron With the	corrected forming the v point temp	the dry and emperature wich during a discussion	In reading columns 9 and 24 "lower," than the average. The valuesgiven in column I hich cannot be determined	f Electricity amployed ar v. variable.	gate duratic of the baror	ased to 30.2 ovember 29t	30 in. by the
	Of the Earth	Surface.	40.38	49.50	16.67	79.65	49.32	49.00	48.76	49.58	17	esults an	rvations e-readin meter, a	deduced from a ending 1873 for thermometers.	combined the thermometers, f mean daily dew	alues of veraget t Green	ading co er,"thai aluesgi	ecord or mbols e g; and	he aggre reading	h; decre	ed to 30.
Į.	tion	Lowest on the Grass.	34.9	39.2	38.3	28.5	22.8	41.3	28.4	33.2	16	The r The b	Obser the eye	deduce ending thermo	combin thermo mean d	Thea Thea made a	- "lou The v	The sy s. stron	Show the	ber 28th; 10h. A.M.	increas
0	Radiation	Highest in Sun's Rays,	0.75	61.1	1.89	49.2	45.8	76:1	0.40	29.6	15		tially		generally Mild.	t and	over-	idless	cloud		
Degree	midity (Satu-	ration equals 100).	76	84	88	88	65	08	18	82	14	σά	ıd par		e gene. Mild.	ar fros l'after tt.	noon; nornir	and 91	of nornir		
	1	Least,	0 -	. %	2.5	0.0	0.0	5.6	1.6	1.8	13	MARK	fine an		ery fin night.	ith ho ggy til at nigh	afteri ost in 1	0h. P.M	amounts frost in r		
and Dew Point	nperatu	Great- est.	0 0	7.0	8.4	11.1	.t.	2.5	6.6	8.1	12	LRE	ing; Mild	ld day	ing; v less at	ing, wand fo	thent till afternoon; ov Hoar frost in morning.	till l	oar fr		
pue	Ten	Mean daily yalue.	0 1.	4.7	2.0	4.9	20	8.0	<b>6.4</b>	5.5	11	GENERAL REMARKS.	mori	Very mild day.	morn	morn loudy h sligl	revale ds. H	loudy Rain	th small amounts of cle Slight hoar frost in morning,	)	
Of the	point.	Mean daily ralue.	0 40.7	46.0	43.4	37.0	36.2	43.1	34.3	40.1	10	G.E.	afterv		Overcast in morning; very fine terwards. Cloudless at night.	lless ir og. Co	Dense fog prevalent till afternoon; overst afterwards. Hoar frost in morning.	rally cards.	with		ı
	1	De- parture from Average of 50 years.	0.1	1.6+		6.0 +	- 2.5	+ 8.3	+ 0.1	+ 4.2	6		Overcast in morning; fine and partially cloudy afterwards. Mild.	Cloudy.	Overcast is afterwards.	Cloudless in morning, with hoar frost and slight fog. Cloudy and foggy till afternoon; cloudless, with slight fog at night.	Dense fog preve cast afterwards.	Generally cloudy till 10h. P.M.; cloudless afterwards. Rain between 5h. and 9h. P.M. A mild day.	Fine, wi		
	ir.	Mean daily value.	0.07	20.2	48.4	41.9	38.2	48.9	40.2	45.3	00	Sun above Horizon, in hours.	60	÷	\$ \$7	ତ୍ୟ ୧୯	?₁ ‰	6.8	8.1	Sum 57.5	29
4 - 1100	Or the Air	Daily Range.	0 5	- 6: - 6:	6.3	15.5	16.9	10.3	9.1	11:1	7	red Sur ine Ho rs, in									3
Ì		Low- est	0 16	45*1	43.7	33.5	58.9	43.7	35.9	39.4	9	Registered Sunshine in hours,	1.5	0.0	တ် က	0.0	0.0	6.0	2.0	Sum 8.2	28
		High- est,	0	54.4	53.0	49.0	8.97	0.79	45.0	2.09	5	e)	ally;	out -	out -	ally;	y till after-	ally; I. be- n. P.M.	P.M.;		
Mean	daily reading	rected and re- duced to 32° Fahren- heit).	in.		30.305	30.316	30-149	729.927	30.222	30.201	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally m. P. in evening.	w. P. throughout	w. P. throughout	w. P. generally occasional m. P.	m. P. generally till noon; w. P. afterwards.	w. P. generally; w.P. and w. N. be- tween 5h, and 8h. P.M.	w. P. till 9h, P.M. m. P. afterwards.		27
	Phases	Moon,	, f	Equator	: :	:	:	:	:		3	ELI (For e	w. F m. P. ir	W.P.	W.P.	w. ]	m. P. noon; wards.	w. P. g tween	W. P		
		Q.		27	1 82	66 1	30	-	671	1	- uu	pri	136	757	807	Y 29	99	.: 1	10		
1899		MONTH AND DAY	NOVEMBER	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	PECEMBER. FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE, NOVEMBER	SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	DECEMBER.	SATURDAY		No. of Col

LONDON.
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

## OFFICIAL COPY.

### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON

AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General,

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 49. 1899. Vol. LX.7

WEEK ENDING SATURDAY, DEC 9.

[Price 11d.

General Register Office, Somerset House, December 11th, 1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 20.8 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

			_			
		Weeks	endin	g	Weeks ending	
Towns.	Nov. 18.	Nov. 25.	Dec.	Dec. 9.	Towns. Nov. Nov. Dec. 18. 25. 2.	Dec.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull -	14·0 18·0 22·4 20·6 15·9 15·7 15·9 11·5	24·5 24·0 21·6 18·0 16·3 20·3 20·0 18·9 15·2 13·5 13·2 18·1 14·4 12·1	16·3 19·1 14·3 15·4 16·8 22·9 18·0 15·2 16·3 11·4 15·7 15·2 20·8 13·6	19·9 21·6 19·5 15·7 14·3 13·1 21·1 21·5 21·3 17·1	Leicester - 17·1 19·3 21·5 21·10 21·	25·9 22·4 20·8 21·0 13·4 14·4 23·0 25·3 21·7 19·9 17·5 20:1
Leeds	17.5	20.9	14.4	18.2	Wolverhampton - $14.7 20.0 14.1 2$	22.9

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Sheffield, 1.2 in Salford, 1.3 in Preston, 1.8 in Birkenhead, and 2.9 in Hull; from whooping-cough, 1.0 in Leicester, in Liverpool and in Salford, and 1.5 in Blackburn; and from "fever," 1.0 in Bolton, 1.3 in Nottingham, 1.5 in Derby, and 2.9 in Wolverhampton. In none of the thirty-three towns did the death-rate from scarlet fever or from diarrhæa reach 1.0 per 1000. The 113 deaths from diphtheria included 43 in London, 16 in Sheffield, 11 in Leeds, 6 in Liverpool, 4 in Manchester, 4 in Blackburn, 4 in Preston, 4 in Norwich, 3 in West Ham, 3 in Swansea, 3 in Leicester, and 3 in Salford. Eleven deaths from *small-pox* were registered in Hull, but not one in any other of the thirty-three towns.

## LONDON.

In LONDON† 2339 BIRTHS and 1957 DEATHS were registered. Allowing for increase of population, the births were 210 below, and the deaths 181 above, the average numbers in the corresponding weeks of the last ten

\* By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong.

years. The annual death-rate per 1000 from all causes, which had been 17.5, 17.5, and 19.4 in the preceding three weeks, further rose last week to 22.4. During the four weeks ending on Saturday last the death-rate averaged 19.2 per 1000, being 0.4 per 1000 below the mean rate in the corresponding

periods of the ten years 1889-98.

The 1957 deaths included 59 from measles, 15 from scarlet fever, 43 from diphtheria, 20 from whooping-cough, 29 from enteric fever, 14 from diarrhoa and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 180 deaths were referred to these diseases, being 25 below the corrected average weekly number.

The deaths from measles, which had been 29, 44, and 43 in the preceding three weeks, rose again last week to 59, and were 2 above the corrected average; 7 cases belonged to Fulham, 6 to Battersea, and 5 to Wandsworth sanitary areas. The deaths from scarlet fever, which had been 6, 13, and 8 in the preceding three weeks, rose again last week to 15, but were 7 below the corrected average; 4 cases belonged to Fulham sanitary area. The deaths from diphtheria, which had been 56, 43, and 52 in the preceding three weeks, fell again last week to 43, and were 15 below the corrected average; 7 cases belonged to Islington, 4 to Lambeth, 3 to Rotherhithe, and 3 to Camberwell sanitary areas. The deaths from whooping-cough, which had been 9, 16, and 15 in the preceding three weeks, rose again last week to 20, but were 16 below the corrected average; 5 cases belonged to Islington and 5 to Bethnal Green sanitary areas. The fatal cases of enteric fever, which had been 55, 29, and 26 in the preceding three weeks, rose again last week to 29, and were 11 above the corrected average; 4 cases belonged to Poplar, 3 to Islington, and 3 to Lambeth sanitary areas. The deaths from diarrhea, which had been 20, 10, and 7 in the preceding three weeks, rose again last week to 14, the corrected average being 13. The deaths referred to diseases of the respiratory organs, which had been 324, 350, and 430 in the preceding three weeks, further rose last week to 548, and were 112 above the corrected average. The deaths attributed directly to influenza numbered 42, having been 18, 12, and 17 in the preceding three

Different forms of violence caused 76 deaths, concerning all but 4 of which inquests were held. Of these 76 deaths, 8 were cases of suicide, while the remaining 68 were attributed to accident or negligence. Eleven of these were referred to vehicles in the streets, 11 to burns and scalds, 2 to the effects of anæsthetics administered for surgical purposes, and 12 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 1 case of small-pox, 3290 cases of scarlet fever, 1730 of diphtheria, and 460 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 278 cases, against 334, 293, and 294; of diphtheria, 237 cases, against 219, 266, and 212; and of enteric fever, 65 cases, against 73, 54, and 69.

GREATER LONDON.

In Greater London 3,322 births and 2,505 deaths were registered, corresponding to annual rates of 26.5 and 20.0 per 1000 of the estimated population. In the Outer Ring 16 deaths from measles, 6 from scarlet fever, 18 from diphtheria, 2 from whooping cough, 5 from "fever," and 5 from diarrhea were registered. Five deaths from measles, and 10 from diphtheria occurred in West Ham District.

## METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.91 inches, and that of the Thermometer 41°.9; the latter being 1°.0 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 13 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 10.0 hours; the measured rainfall amounted to 0.46 of an inch

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of eases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

## RETURNS OF LONDON WATER COMPANIES.

The LONDON WATER COMPANIES have been good enough to furnish the following account of the number of services and the average daily amount of water supplied during the month of November, 1899. The supply was in the ratio of 225 gallons to one service.

COMPANIES.	Number o	f Services.	Daily Supp in Ga	ly of Water llons.
	NOVEMBER,	NOVEMBER,	NOVEMBER,	NOVEMBER,
	1898.	1899.	1898.	1899.
TOTAL SUPPLY	870,631	893,745	194,206,759	201,281,806
From Thames From Lea and from other Sources -	418,189	427,285	105,435,428	107,355,928
	452,442	466,460	88,771,331	93,925,878
THAMES.  Chelsea West Middlesex Southwark and Vauxhall Grand Junction Lambeth	38,026	38,409	12,026,870	12,153,736
	83,245	84,805	£0,606,673	20,755, £22
	122,140	123,466	30,061,358	31,040,514
	63,411	65,497	17,987,157	19,636,713
	111,367	115,108	24,753,370	23,769,543
LEA AND OTHER SOURCES  New River	165,426	168,451	37,074,932	36,490,823
	197,652	204,778	35,905,000	40,803,142
	89,364	93,231	15,791,399	16,631,913

Note.—The Return for November, 1899, as compared with that for the corresponding month of 1898 shows an increase of 23,114 services and of 7,075,047 gallons of water supplied daily.

ANALYSIS OF METROPOLITAN WATER SUPPLY DURING NOVEMBER, 1899.

Government Laboratory, Clement's Inn Passage, Strand, London, W.C., December 5, 1899.

SIR.

I have to report to you the results of the chemical analysis and physical examination of

the waters supplied to the Metropolis during the month of November, 1899.

Taking the average amount of organic impurity in a given volume of the Kent Company's water during the nine years ending December, 1876, as unity, the proportional amount contained in an equal quantity of water supplied by each of the Metropolitan Companies was:—Kent 0.6, New River 2.9, Chelsea 3.2, West Middlesex 4.5, Southwark 5.5, Grand Junction 5.5, Float Junction 5.5, Grand Junction 5.5, Southwark 5.5, Grand Junction 5.5, Grand 5.5, tion 5.8, East London 7.4, and Lambeth 7.6.

The water delivered by the five Companies drawing from the River Thames was in every case clear. The Chelsea and West Middlesex Companies' water was of fair chemical quality, but that supplied by the Southwark, Grand Junction, and Lambeth Companies was of indifferent quality owing to an excessive amount of organic matter, chiefly of vegetable origin. It will be noticed that the two Thames Companies possessing the least storage, viz., the Grand Junction and Lambeth Companies, delivered the worst water.

The water taken from the River Lea by the New River Company was, after storage and filtration, delivered in a clear condition; it was of good chemical quality. The Lea water delivered by the East London Company contained a large proportion of organic matter, and was, in this respect, only slightly superior to the worst of the Thames-derived supplies. This

Company's water was very slightly turbid, with brownish particles, probably chiefly derived from the main, but also containing a little vegetable débris and a few moving organisms.

The water of the Kent Company was clear and of a high degree of organic purity.

Seen through a stratum two feet deep, the Kent water was colourless, the Chelsea and New River very pale yellow, the West Middlesex pale yellow, the Southwark and Grand Junction yellow, and the Lambeth and East London waters pale brown in colour.

I am, Sir,

Your obedient servant,

T. E. THORPE.

The Registrar-General, Somerset House, W.C.

## Analysis of Metropolitan Waters.

## RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

	COMPANIES.	Date and Place of Collection.	Temperature in Centigrade degrees.	Total Solid Matter.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen as Ni- trates and Nitrites.	Total Combined Nitrogen,	Chlorine.	Total Hardness.
	THAMES.		0						- ,		
	Chelsea	\ \text{November 13th,} \ \text{Cab Rank, Horse} \ \text{Guards, Whitehall.} \}	11.1	25.96	.163	·028	0	·194	.222	1.9	17:1
	West Middlesex -	\ \text{Cab Rank, Riding House-} \ \text{street.}	11:3	25:32	•236	.028	0	·190	·218	1.9	16.0
	Southwark	November 13th, Cab Rank, St. George's Church, Borough.	11.2	26:48	·296	.030	0	*228	·258	1.9	16.6
	.Grand Junction -	\{\begin{aligned} November 13th. \\ Cab Rank, Portmanstreet, Oxford-street. \end{aligned}	10:3	27*28	*309	.033	0	*254	·287	1.9	17.1
Inner Circle.	Lambeth	November 13th. Cab Rank, St. George's- road, Southwark.	10.8	27.04	•401	·045	0	*314	·3 <b>5</b> 9	2.0	17:4
anez	LEA.										
H	New River	\{ \begin{aligned} November 13th. \ Cab Rank, Tottenham \ Court-road. \end{aligned}	9.9	32*96	•149	.024	0	*298	'322	1.9	20.6
	East London	November 13th. Cab Rank, Sidney-street, E.	10.1	39.64	-393	.041	0	*383	·424	2.1	23.0
	DEEP WELL.	November 13th. Police Station, Blackheath-road.	12*8	39.24	*030	*007	0	·510	•517	2.3	26.0
	Column 1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.

All the numbers in columns 4, 5, 6, 7, 8, 9, 10, and 11 related to 100,000 parts of the waters. The Table is to be read thus:—The Chelsea Company's water, collected on the 13th November, at the Horse Guards cab rank, had a temperature of 11·1° C.; 100,000 lbs. of it contained 25·96 lbs. of solid matter; the organic substances, constituting a portion of this matter, contained '162 lb. of carbon and '028 lb. of nitrogen. The above quantity of water also contained no ammonia and '194 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of combined nitrogen in every form was '222 lb. The above weight of water also contained 1.9 lbs. of chlorine, and 17.1 lbs. of carbonate of lime, or an equivalent quantity of other hardening or soap-destroying ingredients.

The numbers in the analytical Table can be converted into grains per imperial gallon by multiplying them by 7, and then moving the decimal point one place to the left. The same operation transforms the hardness in the Table into degrees of hardness on Clark's scale.

* Nee note * A The recent extension of the Borough of Halifax, and of the Borough of Bradford, will not be taken into account in the Weekly Returns until 1900,

Column   C	_		-	_																																	
Column   C	CITIES	AND BOROUGHE.		Cols.	33 TOWNS.	LONDON.	WEST HAM.	CROYDON	BRIGHTON.	PORTSMOUTH.	PLYMOUTH.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON	BIRMINGHAM.	NORWICH	LEICESTER.	NOTTINGHAM	DERBY.	BIRKENHEAD.	LIVERPOOL,	BULTON.	MANCHESTER.	SALFORD.	OLDHAM.	BURNLEY.	BLACKBURN. PRESTON.	Нпривазити	HATTERA +	BRADEORD +	T.EEDS	Supporter n	HILL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
Color   Colo		Centi- metres.	uI	24.	1.57	1.17	1	62.0	1.20	0.71	ı	1.55	ı	1	1.19	:	1.98	1	1.73	1	1	2.31	1	1	ı	1	ı	1 1	1.93		1.85	1	1	2.03	1	1	1
Colore   C		, sedonI	uI	23.	0.62	95.0	,	0.31	29.0	0.58	1	0.01	1	1	0.47	1	0.78	1	89.0	1	ı	16.0	ı	ı	1	1	ı	1 1	97.0		0.73	1	1	08.0	1	1	1
Cooks   Light   Cooks   Ligh	n.	ntigrade.	Cer	22.	5.17	5.50	3 1	4.56	6.11	92.9	1	2.58	1	1	3.94	. ,	5.33	1	4.72	1	ı	2.18	1	1	1	t	t	1 1	3.04	1 1	6.11	1		5.22	1	ı	1
Color   Lamber   Color   Co	Mea	hrenheit.	E8	21.	11.3	41.9	1	40.5	43.0	45.0	1	6.17	1	,	39.1	E	41.6	,	6.04	1	1	42.4	1	1	1	ı		,	39.1	F	43.0	1	1	41.4	1	1	1
Cols.     Cols.     Cols.     Cols.     Cols.     Cols.     Cols.	==	Lownst.	leit.	20.		79.5	1	23.5	30.0	0.22	1	0.92	ı	1	23.8	1	32.6	1	34.8	1	1	9.92	1	1	1	1	1	1 1	5.0		8.7.8	. 1	1	0.67	1	1	1
No. 1, No. 1,	-	Highest	Fahren	19.	4					0.00			1	1				1		,	1		1	1	1	F	114	. 1				1	i		1	1	1
Cols.   1, 1464-408   Cols.	eaths.	rom seases in ols, 6–12,	C D!	18.		2.1	1.7	0.7	H &	1.6	0.2	0.0	1.1	5.0	6.6	. 61 61	00	4.5	1.1	2.2	2.3	-	1.0	1.7	4.3	0.4	0 0	4.0	12.	9.	200	3.1	5.5	0.9	1.4	1	6.0
Cols.   1, 1464-408   Cols.	Veek's D		Ŧ	17.	8.02	29.4	16.5	13.1	21.6	23.0	26.4	19.2	14.3	20.1	6.53	6.91	13.4	0.13	14.4	21.1	8.91	25.9	18.0	8.02	21.7	15.7	8.0%	25.3	17.1	21.3	19.9	18.5	19.0	23.4	2.21	21.5	21.0
No.   Particle   Par	•ца	Uncertified auses of Des	0	16.		9	co	,	্য	ı	ı	1	ı	1	ı	10	1	ং	1	ı	1	=		က	1	1 -	~ p	-i I	-	C7	1	1	4	2		1	-
1008.   1,000   1,00	*9	Deaths in Public Institution		15.		604	13	4	5	10	07 9	 6[	x :	m	00	26	4	7	13	က	ıΩ	93	00	48	19	9 7	# 0	2 12	4	10	ī	20	14	18	F	ಣ	18
Cole			αĬ	14.		188	13	কা	1.	00	1	10	2	्य	4	15	1	67	ಣ	4	10	32	en	50	4 0	 ත අ	9 7	4 6.1	1	67		17	2	∞	C3	22	12
Cols.   The Cols.   Cols.		ојенсе.	İΛ	13.			7	1	1	6.3	1	က	07		6.7	6	ı	Н		Г	H	233	,1	11	4	1 :	6		1	-	03	4	ಣ	펀	ı	0.7	∞
Cols.   Processes   Processe		, asodrtai	υα	12.	05 C2	14	1	ı	1	_	1	1	~	ı	1		ı	1		М	П	П	1	က	e1	, -	4 6	1 1	1	1	ଦୀ		2	-	1	1	,
COAS.   COAS	ľ	.T9Y8	E	ä	22	53	-	1	1	1	1	1	7	1	22	∞	1	1	9	ಣ	1	ಣ	ಣ	07	၈	1	-	1 03	1	Ĺ		1	20	~	1	1	,
COAS.   COAS	a from	hooping- cough,	M	10.	20	20	1	1	7	က	1 (	24	_	1	1	2	ı	4	ı	1	1	12	1		4 -		1 7	1	-	1	_	2	_	1	1	1 -	-
Cols.   Cols	Death	iphtheria.	σ	3	113	43	က	7	г	C.1	1 1			m	1	П	4	က	ı	1	ı	9	1 .	4 0	:::		4 4	4	1	Н	1	11	16	1	1	1	ſ
Cols.   Cols		sarlet Fever.	PS	∞	30	15	ଦୀ	1	1	ı	ı	1	ı	1	ı	1	1	6.1	7	1	1	-	1	rn 1	٠,	7 6	1 6	1	- 1	1	ବ୍ୟ	~	ଦୀ	7	7	1	1
Cols.   Paper Later   Paper		, .89[889]	W	7.	135	59	4	ı	1	1	-	ı	1 -	-	1	C	1		1	П	4	00	[ ]	.c 1	0		1 1	က	1		4	_	7	13	কা	1 0	ກ
Cols.   Published   Cols.		mall-pox,	rs	9	11	1	•	1	ı	1	ı	ţ	1	ı	1	ı	ı	ı	1	ı	1	1	1	1	ı	1 1	ı	1	ı	ı	1	1	1	11	1	1	1
COIS   POPTLATATION   Str. Dec. 1899   Control of the population   COIS   Liberal of the population   Liberal of	ths of	ersons aged 60 Years and upwards.	d B	5.	1192	222	26	12	27	56	92 5	46	01 5	3	6	67	∞	20	17	14	10	65	133 49	24.	CT	6		12	15	14	28	31	21	22	01 7	11	100
Cois   Courage   Courage   Cois   C	Dea		II .	4.		406	233	10	_	13	9 5	31	FT o	×0	∞	37	īC	727	81	16	6	19	4 6	ne De	ci c	9	12	14		9	14	45	41	24	91	11 00	20
Cois   Portnaton	, 1899			ສາລີ	4551	1957	95	32	51	84	100	120	10	40	39	167	29	98	99	43	37	315	56	017	16	34	54	29	34	40	06	148	138	105	49	44	22
Cois.   Population   Cois.	9th Dec	Вівтяв.		ri	6085	2339	152	64	50	85	51	1/3	104	BS:	63	304	46	119	113	533	99	402	27.0	310	Det 57	34	54	65	49	40	86	246	233	151	73	147	141
TGHS.  CO18.  NS -	Portlation estimated	to the middle of the Year 1899.*		1.	_	4,546,752	300,241	127,759	123,226	190,741	100,637	118,022	109,620	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	150 773	113.081	135,154	117,622	103,464	97.721	236,241	423,889	361,169	234,270	145,613	106,552	050,022
TER LAM NS NS NS NS NS NS NS NS NS NS NS NS NS				ois.		ı	1	1	1	1	1	i	1	ı	NO	1	1	1	1	1	1	1	1	1	1	1 1	1	1	- 0	1	1	1	1	1	1	1	1
	CITIES	AND BOROUGHS.		5	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL	CARDIFF	SWANSEA	WOLVERHAMPT	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM		BIRKENHEAD	LIVERPOOL -	BOLTON -	MANCHESTER	SALFORD -		RN		HUDDERSFIELT		BRADFORD† -			HULL -	SUNDERLAND	NEWCASTITE	NEW CASILLE

TABLE 2. LONDON.—Births and Deaths Registered in the FORTY-NINTH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births  Males Females	2270	2240	2393	2397	2436	2599	2373	2419	2489	2577	2543°6	2339
	1139	1144	1244	1244	1246	1315	1228	1268	1244	1396	1302·4	1217
	1131	1003	1149	1153	1220	1284	1145	1151	1245	1271	1246°2	1122
TOTAL <b>D</b> eaths -  Males  Females	1683	1733	1462	1453	2556	1614	1459	1601	1896	1417	1775 6	1957
	821	901	716	735:	1263	808	738	833	959	755	896:3	1012
	863	832	746	717	1293	806	721	771	916	692	879:3	945

this column are the average weekly numbers in the forty-ninth week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON .- BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

	111 111	JSP1 FA	115, 11	tre .	Last	CHIRT	EEN	WEEK	S.				
	Sept 16.	Sept.	Sep 30.	Oet. 7.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Nov.	Nov. 18.	Nov 25.	Dec.	Dec 9.
TOTAL Births	2675	2531	2399	2540	2549	2529	2495	2613	2711	2674	2556	2439	2339
TOTAL Deaths	1643	1649	1456	1564	1637	1567	1844	1626	1506	1528	1526	1695	1957
$\begin{array}{c} \text{Ages at} \\ \text{Ages at} \\ \text{Death} \\ \end{array} \begin{pmatrix} \text{Under l year} & - & - \\ 1-5 \text{ years} & - & - \\ 5-20 & \text{``} & - & - \\ 20-40 & \text{``} & - & - \\ 40-60 & \text{``} & - & - \\ 60-30 & \text{``} & - & \\ 80 \text{ years and upward} \\ \end{pmatrix}$	572 187 80 201 282 259 62	592 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 2 6 363 339 83	334 215 116 218 280 274 69	355 180 93 214 318 300 68	331 226 94 193 305 312 65	388 209 74 227 351 349 97	406 247 117 225 405 416 111
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus	17 2 22 16	17 8 42 19	15 9 44 23	21 7 55 10	20 9 56 10	26 6 60 6	34 14 59 10	- 33 7 39 14	- 42 14 68 11	29 6 56 9	44 13 43 16	43 8 52 15	59 15 43 20
Enteric Fever - Simple Continued Fever - Diarrhœa and Dysentery - Cholera	233 9	24 162 6	19 81 2	19 53 2	21 49	15 25 -	40 17 1	29 22 1	51 13	55 20	29 10	26	29 14
All the above Diseases	317	278	193	167	165	133	175	145	199	175	155	151	180
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence—Inquest Cases—Deaths in Public Institutions—	133 183 110 62 145 464	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 123 54 122 507	325 133 107 75 144 509	324 141 148 57 134 494	350 153 141 61 154 485	430 177 143 66 155 532	548 190 165 76 188 604
TEMPERATURE OF THE AIR.  Mean	57.5 67.0 48.8	51.6 63.5 48.2	52·1 61·0 45·5	49·3 56·6 42·6	47·3 58·9 36·2	47.4 56.6 39.4	51.8 57.4 45.9	53·2 59·1 47·1	50°9 56°2 45°4	45.9 51.3 39.9	45.5 49.0 40.6	45·3 50·5 '39·4	41.9 46.6 37.9
H imidity of the Air	73	63	76	88	82	82	90	83	78	84	80	82	87
Rain-fall (in inches)	0.27	0.36	1.01	0.20	0.12	0.00	1.30	1.81	2.33	0.00	0.00	0.29	0.48
Registered Sunshine (in hours)	23.5	38.3	32.5	12.2	38.9	43.3	7.8	22.5	20.9	8.4	0.0	8.2	10.0
CASES OF INFECT	ious S	ICKNE	SS IN	HOSP	ITALS*	AT T	HE EN	D OF	EACH	WEE	K		
Scirlet Fever Diphtheria Literic Fever	2640 1486 228	2758 1474 235	2336 1:87 252	3003 1519 275	3217 1595 308	3403 1659 331	3504 1700 342	3539 1715 407	3564 1692 426	3578 1736 443	3503 1761 448	3445 1735 461	1 3290 1730 460

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Giaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lip; incott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkiagton Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4. FORTY-NINTH Week of the Year 1899.

	the		In	the	Wee	k en	dina	,	1	lek of the fear 1895.	the	11	I.	n th	e We	ek e	ndin	8 100	-
	for	S	De	aths	of P	erso					for 10 y			eath	s of	Perso	onso		J.
SES OF DEATH	Averages of the 1889-98*.		ט	nder	r A	ĺ.	10.	90°	ď	CAUSES OF DEATH	Averages of the 1889-98*,	-	1	Undi	er	Ages	60.	80.	pun
	Corrected A. 49th Week	AGES.		30.	-	and under 40	and under 60.	and under 80.	upwards.		Corrected A	AGES.	-	10.	1	d under 40,	under	d under 80	pwards.
	Corre 49th	ALL	0-1	1-5.	5-20.	20 an	40 an	60 an	adn	. /	Corre 49th	ALL	0-1.	1-5.	5-20.	20 and	40 and	60 and	1 8C y
SES	1775.6	1957	406	247	117	225	405	446	111	Diseases of Circulatory System }	153.6	165	1	-	15	21	49	64	15
Vaccinated + Unvaccinated No Statement	0·1 0·4 57·1	- - 59	.1.1.8	- - 44	- 73			1111	1.1.1.1	Croup Bronchitis Pneumonia Pleurisy	6.8 251.9 139.7 5.6	306 201 5	58 -	29 61 1	1 8 1	- 6 16 1	27	1	2
fever	22.3	15	-	11 -	-		15	-	-	Other Diseases of Res- piratory System -	31.9	36	7	1	-	1	9	14	4
a	21.8 36.4 58.4 0.4 17.6 12.5	42 20 43 - 29 - 14	6 6 3 - - 9	13 24 -	2 1 16 - 7 -	6 - - 18 - -	3 - 2	13 1 - 3	1111111	Dentition Quinsy, Sore Throat	6.4 2.2 12.6 } 6.3 26 1 31.6	4 1 5 9 4 19 27	- - 7 - 1	4 - 2 - 1	1 2 5	1 3 1	1 1 9 7	- 1 - 6 9	1 3
and Effects of ation }	0·1 0·1 8·9 6·5	750	- - 4 1	- - 1	1 1 1 1 1	- - 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2	- - - 1	Diseases of Lymphatic System & of Ductless Glands -	2.6	1	-		-	1	-		-
and Septicæmia al Fever – – ymotic Diseases	2.6 6.2 2.0	7 52 8 3	1	1	1	6 -	2 1 1	-	1,11	Diseases of Urinary } System }	47.0	55 —	-	2	1	9	17	21	5
nd other Para-}	1·1 0·5	1 -	1 -	-		-	- 2	-	-	Diseases of Generative System } Accidents of Childbirth-	6.0	8	-	1	+	3 4	3	1	- 1-
on, Want of				_						Diseases of Locomotive } System }	7:9	2	-		2	-		+	_
milk }	10.2	20	-	-	-	5	15	-	-	Diseases of Integumen- tary System-	6.1	7.	2	1		-	2	2	-
tic Fever, latism of Heart } tism	8.7 2.8 2.9 5.1 75.6 18.1 21.7 172.3 18.2 13.5	13 2 -7 106 13 21 190 24 13	- 2 - 4 7 - 6 1	1 - 5 - 3 8 4 6	4 - - 1 3 5 16 3 -	5 - - 5 1 77 2 2	1  47 1 -7 7 7	2 1 - 52 1 - 18 - 3	1 - 1 - 1	VIOLENT DEATHS;  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks. (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Scalds, Ex- plosions -	56.5 {	5 11 - 1 11	111111	2 - 6	3 2	2 1	1 4	-	
re Birth sis tal Malforma-}	52·2 4·6 7·9 58·0	63 1 7 69	63 1 6 -			1	-	29	- - 40	By Drowning By Suffocation in Bed By Poisons or Poisonous Vapours - Other or not stated causes		12 2 24	12 - 3	1	1	1 6	-	1	1
ons iseases of Brain prvous System	50·2 7·7 38·2 84·8	48 8 38 73	- 36 9	- 2 12	1 2	- 4 - 8	12 1 - 17	34 2 - 21	2 - 4	(VIOLENCE OTHER THAN ACCIDENTAL).  Hom cide Suicide Execution	0.6 5.6	- 8		111	111	ī	5		
of Organs of }	2.5	6	. 2	-	2	2	-	-	-,	OTHER CAUSES	51′9	51	50	-	-	-	1	-	-
numbers in this co	lumn ar	e the	9 776	rane	3 387	vek	lv d	eat	haf	or the ten years 1889-98, rais	ed by 5°2	13 ре	r ce	ent.	for	1n	rea	ise	-

numbers in this column are the average weekly deaths for the ten years 1000-ce. The action.

ation.

those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered those cases of small-pox are returned as "vaccinated" or as "unvaccinated, or has not, been vaccinated, or when the men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the death is not certified by a registered practitioner, the case is returned under the heading "no statement," evidence at inquests is often insufficient to enable the Coroner to servify whether a violent death be the result of murder, mars'aughter or suicide. All such causes are classed under "accident,"

LE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, M SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., legistered SUB-DISTRICT during the Week ending Saturday, 9th December, 1899.

SUB-DISTRICT during the We	er endin	g Dal	uruay	JUL		cin	ber,	139	J,							
				-			The	DEA'	гняг	giste	red di	uring	the W	7eek i	neluc	l e
	Enume-			Dea	thsoi			,		Deatl	hs fro	m				
REGISTRATION SUB-DISTRICTS.	Population,	Total BIRTHS.	Total DEATHS.	Infants under 1 Year	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœs.	Violence,	Inquest Cases,
LONDON -	4,411,710	2,339	1,957	406	557	_	59	15	43	20	-	29.		14	76	188
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON *	778,251 1,040,694 233,635 716,334 1,642,796	346 520 112 444 917	334 409 96 367 712 39	70 88 15 84 149	103 119 19 90 215		11 9 3 11 25	1 6 - 7 1	5 12 2 24 -	27 - 83	1 1 1 1 1 1	4 6 4 5 10	11111	3 5 - 1 4 1	14 17 7 12 26	32 42 11 43 59
WEST DISTRICTS.  St. Mary Paddington $WHH$ St. John Paddington $H - G$ .  Kensington Town $WW - W$ .	90,996 · 33,510 122,164	52 9 64	35 14 54	11 1 13	14 4 18		- 1	-	-	1 -		1		1 1 1	2 2	4 2 3
Brompton $HH$ W. & C. North Hammersmith $H$ W. & G South Hammersmith $H$ W. & G.	48,301 44,638 59,561 113,781	10 20 29 81	14 9 26 68	5 7 14	4 3 8 17	1 1 1	- - 7	111	- 2	7 -		1 - 1		- - 1	1 2 -	1 3 2
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	9. 12 12	6 21 17	2 2 6	2185		1 - 2	1 1 1	1 1 4	111	-			1 1 -	1	- 33
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C. St. Margaret Westminster $H$ - C.	23,827 56,140 31,492 22,097	20 13 1	16 26 9 9	2 2 2 1	9 5 2 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	2 -	1 - -	1-1-1-1	1 -		1,1,1,1	1 2	4 - 4
$\left. \begin{array}{ll} \text{St. James Westminster} \\ WH \\ \text{St. Anne Soho} \end{array} \right. \text{N. \& G.}$	23,050 12,048	6 4	7 3	1	2 1	-	- 1	in ,	-	-	-	-	-	-	-	1
NORTH DISTRICTS.  All Souls Marylebone   - W. HHHHHHHHHHH   - W. G. & W. St. Mary Marylebone   G. & W. Christchurch Marylebone   H - W. St. John Marylebone   HHH - W.	36,595 19,798 19,637 32,547 32,611	9 6 31 16 7		1 2 1 2 2	3 5 - 2		1:	11.1.1		1 1 1 1 1	1 1 1 1 1	1		11 1 1 1 1 1	1	2
$\left.\begin{array}{c} \text{Hampstead} \\ W\dot{w}HHHH \end{array}\right\} - \text{N. & W.}$	75,449	22	30	3 .	10		í	4	3	4.	_	2	_	_	1.	1
Regent's Park Pancras $HH$ - W. Tottenham-court $\}$ - N. & W. $wHHHHHHH$ - N. & Gray's Inn Lane $HHHH$ - N. Somers Town $HH$ N. Camden Town $WH$ N. Kentish Town $WW$ N.	37,341 26,757 29,426 32,161 16,669 98,410	14 7 18 12 10 57	13 14 18 16 18 33	4 2 4 4 1 7	4 1 3 4 10 7	1 1 1 1 1	- 1 1	11111	1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1		1	1 1 6 2 -	1 2 8 3 2
$ \begin{array}{c c} \text{Upper Holloway} \\ WWWWwHH \\ \text{Cslington South-west} & H & - N. \\ \text{Islington South-east} & - & N. \\ \text{Highbury} & HH & - & - & N. \\ \end{array} $	98,273 107,365 66,549 64,577	50 60 31 27	61 30 22 20	14 10 9 4	19 9 3 6	1 1 1 1	1		1	2 - 2 1	1 1 1 1 1	2	1 1 1 1	1 -	-1 1 -1	3 4 2 2
Stoke Newington H - N. North Hackney - E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E. & N.	33,485	$   \left\{     \begin{array}{c}       11 \\       20 \\       29 \\       47 \\       33     \end{array}   \right. $	2 10 18 29 34	- 1 3 9 5	2 5 2 7 14		1 2	2	- 6 1	- 1	11111		11111	î - 1	111	1 1 3 5

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other Distract that in which it stands; u—Hospital; L—Lunatic Asylum; u—Frivate Lunatic Asylum in which paper received. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. significant of the Sub-districts:—G. significant formula of the Roman capitals of the Kent Company.

See note v onlinest page of this Return.

The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899 and re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in each (B-DISTRICT during the Week ending Saturday, 9th December 1899—continued

ek endin	g Satu	rday,	9th	Dec	emk	er,	1899	c	onti	nued	<i>l</i> .						
						Th	e D E.	ATRS	regis	tered	durin	gthe	Wee	kinol	ude		
Enume-			Dea						Deatl	ıs fro	m					thone	of
Population.	Total BIRTHS,	Total DEATHS	Infantsunder I Year of Age,	Personsaged 60 Years and upwards,	Smail-pox.	Measles.	Scarlet Fever.	Diphtheria,	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhosa.	Violence	InquestCases	Deaths in Public Institu	Uncertified Causes Death
29,086 9,151	17 5	5 1	3	1 -	1 - 1	1:-	-		-	-		-			-	1	-
13,077 11,839 +1,037	5 -	8 14 4		2 2 4							1 2 -		1 1 1	1 2 -	2 1 -	5 10 4	
31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	9 4 17 11 30 2 2	15 5 8 5 6 3 1	3134	1 1 2 1 1 - 1	1111111	1	- 1 - 1 - 1 - 1 - 1	1111111	111111		1 1 1 1 1 1 1 1	1111111	1111111	1	2 - 1	7 2	1111111
9,762 3,299 9,591 9,059 †388	6 4 -	1 17 1	111111	1 2 -	11111	i i i i i	1,1111		F 1.1 1 1		1			2 -	122	- 16 - 1	14111
17,975 29,575 27,645 47,163	8 22 21 20	7 16 7 28	2 3 - 4	1 7 4 9	1.1.1			1	1 1 1		- 1		1111		1 1 - 5	2 5 - 7	1 1 1
49,301 34,194 45,667	32 19 23	23 10 33	5 8 6	5 6 10		- 2			4	-	, 1 1 -	-	-	1 - 1	1 -	1 17	-
26,681 } 51,995 {	12 7 7	7 37 6	3 5 2	1 5 -	-	1 1 1 1		ī -	1 1 1		ī -	-		1 3 -	4 7 3	35	-
<b>39,</b> 576 <b>7</b> 930	36 5	.17 6	7	2	-	2	-	-	7.7	- 1	-	-	ĩ	-	3 -	5	-
10,434 14,954 32,917	5 8 18	14 7 13	5 3 4	2 1 3	-		-				-	111			3 -	6 1 -	1.1.1
} 111,060	{ 44 29	21 25	3 7	8 7	-	-	-	-	-	-	-	-		1	2 3	4	-
41,687 69,821 57,759	34 53 41	20 43 27	5 10 6	2 11 5	-	3	-		1 2	-	2 1	-		2 2 1	3 5 7	19 2	-
	Enumerated Population. 1896.  29,086 3,151  13,077 11,839 +1,037  31,042 16,777 34,356 1,060 29,897 7,595 4,035 +892  9,762 3,299 9,591 9,059 9,059 4,388  17,975 22,645 47,163  49,301 34,194 45,667  26,681  39,576 7 930  10,434 14,954 32,917  } 111,060	Enumerated Population. 1896.  29,086 17 9,151 5 13,077 11,839 †1,037 - 31,042 9 15,737 4 34,356 17 16,069 11 29,897 30 7,595 24,035 24,035 24,035 24,035 24,035 27,595 27,695 24,035 24,036 29,897 30 30,299 9,591 49,059 †388 -  17,975 28,299 9,591 47,163 20 49,301 32,341 47,163 20 49,301 32,4194 41,954 32,917 39,576 7 39,576 7 39,576 7 39,576 7 39,576 36 7 39,576 7 39,576 36 7 39,576 7 39,576 7 39,576 36 7 39,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7 30,576 7	Enume- rated Popu- lation. 1896.  29,086 17 5 9,151 5 1  13,077 11,839 5 14 17,037 - 4  31,042 9 15 14,035 17 18,356 17 19,456 11 29,897 20 6 7,595 2 3 4,035 2 1 1892 - 2  9,762 6 3,299 - 1 9,591 4 17 9,059 7 1,388 - 1  17,975 22 16 29,591 4 17 9,059 4 17 9,059 4 17 9,059 5 1 1892 - 2  9,762 6 17 7,595 22 16 3,299 17 18,388 - 1  17,976 29,576 22 16,681 17 7,980 6 17 7,980 7,980 8 17 7,980 8 17 7,980 8 17 11,060 8 12 11,	Enumerated Population. 1896. EH H 1896. EH 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Enume- rated Popu- lation. 1896.  29,086 17 5 3 1 9,151 5 1 1 -  13,077 11,839 5 14 - 2 16,777 4 15 1 2 16,777 4 15 1 1 29,897 20 6 - 1 7,595 2 3 1 34,356 17 15 1 1 29,897 30 6 - 1 7,595 2 4 4,035 2 1 1 9,762 6 3 - 1 7,595 2 4 4,035 2 1 1 9,762 6 3 2,299 - 1 - 1 9,762 6 3 3,299 - 1 - 1 9,762 6 3 3,299 - 1 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 4 17 - 2 9,591 5 22 16 3 4 47,163 20 28 4 9  49,301 32 23 5 5 34,194 19 10 3 6 45,667 23 33 6 10  26,681 12 7 37 5 5 6 10  26,681 17 7 6 2 -  39,576 36 17 7 2 26,681 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 2 39,576 36 17 7 3 31,042 4 3 31,042 4 3 3 31,042 9 15 3 1 34,042 19 10 3 3 6 35 6 37 7 38 11,042 19 10 3 3 6 36 10 37 37 3 5 37 37 3 5 37 37 37 37 37 37 37 37 37 37 37 37 37 3	Enumerated Population. 1896.   Eligible   El	Enume- rated Popu- lation. 1896.  29,086 17 5 3 1 - 1 9,151 5 1 1  13,077 11,839 5 14 - 2  31,042 9 15 3 1 - 1 34,356 17 8 3 2  31,042 9 15 3 1  13,080 11 8 3 2 - 1  29,997 30 6 - 1  7,595 2 3  4,035 2 1  7,595 2 3  9,762 6 3 - 1  9,762 6 3,299 - 1  4,035 2 1  9,762 6 3,299 - 1  7,595 4 17 - 2  9,762 6 3,299 - 1  4,035 2 1  9,762 6 3,299 - 1  4,035 2 1  9,762 6 3,299 - 1  4,035 2 1  9,762 6 3,299 - 1  4,035 2 1  9,762 6 1 1  9,762 6 1 1  9,762 7,645 21 7,  47,163 20 28 4 9  17,975 8 7,691 0 3 6  49,301 32 23 5 5  9,591 4 17 - 2  49,301 32 23 33 6 10 - 2  26,681 17 7 6 2 1  39,576 36 17 7 2 2 - 2  10,434 5 14 5 2 1  10,434 5 14 5 2 1  11,060 { 44 21 3 8 7  41,060 { 44 21 3 8 7  41,060 { 44 21 3 8 7  41,060 { 44 21 3 8 7  41,060 { 44 21 3 8 7  41,060 { 44 21 3 8 7  41,060 { 44 21 3 8 7	Enume- rated Population. 1896.	Enumerated Population. 1896. Ely and 1897 1896. Ely and 1897 1896. Ely and 1897 1897 1897 1897 1897 1897 1897 1897	Enumerated Population. 1896.    17	Enumerated Population. 1896.  29,086  17  3,1042  31,042  31,042  31,042  31,042  31,042  31,042  31,042  31,042  31,042  31,042  31,043  31,043  31,043  31,043  31,044  31,056  31,057  34,356  35,407  34,356  36,307  37,595  29,877  30,887  30,897  30,897  30,997  40,305  21,7,595  22,4,035  23,299  40,355  21,7,595  23,2967  30,688  32,2,1  32,297  34,045  34,045  34,046  35,049  36,049  37,595  38,299  40,355  40,355  40,355  41,356  41,356  42,4035  43,104  44,035  44,035  47,7,595  48,299  40,356  41	Deaths of   Deaths of   Deaths of   Deaths from   Deaths	Enumerated Popular Section 1996.    Enumerated Popular Section 1996.   Enumerated Section 1996.   Enum	The DEATES registered during the Week   Population   1896.   ELE   Table   T	Enumerated Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. IF The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATHS registered during the Weekinst Population. 1896. If The DEATH Population. 1896. If The DEATH Population. 1896. If The DEATH Population. 1896. If The DEATH Population. 1896. If The DEATH Population. 1896. If The DEATH Population. 1896. If The DEATH Population. 1896. If The DEATH Population. 1896. If Th	Part   Part	The DEATHS registered during the Weekins Indeed   Population   1896.   Registered

e Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November 1899, and re-named
Bloomsbury and St. Giles South.
† Population in 1891. not included in the total population of the Central Districts or of London.

The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.

itechapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 9th December, 1899—continued.

SUB-DISTRICT during the We	ek ending	g Satu	irday,	9th	Dec	emt	er,	1899		ntin	rued						
				_			The	DEAT					the W	eeki	nelue	le	-
	Enume- rated				thsof				. I	eath	from						-
REGISTRATION SUB-DISTRICTS	Population,	Total BIRTHS,	Total DEATHS,	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever,	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued	Diarrhosa.	Violence.	Inquest Cases.	
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. st.Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L. London-read HL - L. &S. trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	13,064 12,301 22,879 16,083 21,316 28,723 62,045 30,171	7 6 19 10 9 25 32 20	3 5 10 7 5 11 28 9	2 - 3 - 2 5 7 3	1 3 1 2 1 9		1 1 1 -	1111111	1 1 1 2	1111111	111111111	1111111	1111111	1111111	1	5 2 1 - 1 - 1	- 3
St. Olave $WH$ S. Bermondsey $W$ S. & K. Rotnerhithe $Ww$ - S. & K.	11,731 85,475 40,379	56 19	29 38 28	1 14 6	3 9 9	1-1-1	- 1	= = =	222	-	1 1 1	2	-	- 1	8 1 1	9 1 2	24 3 10
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	25 10 24 26 21 49 16	15 21 27 15 13 35 11	4 4 2 5 3 9 6	5 4 11 5 7 9 5	411111	3 - 1 - 1 - 1 - 1	3	3 -	1	1116111	1 - 1 - 22 -		1	4 - 1	2 5 3 1 1	9 18 - 8 1
East Battersea S. West Battersea WwH S. Clapham H S. Wandsworth WHHL S. Putney S. Streatham WwwwwL L.	71,730 93,385 46,953 58,101 20,566 61,644	44 33 17 37 12 39	24 42 20 19 4 35	8863-6	12 12 4 2 9	111111	4 1 3 1 - 2	2	1 1 3	1	1,1,1,1,1	- - - 4	11111	11111	1	1 -	11 13
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	3 48 40 39	3 61 23 21	6 3 4	1 29 10 7	1111	- 1 1		1 1 1 1	1 1 1 1	1111	1 1 1 1		1111	31	622	37
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	18 30 17 10 29	13 15 14 6 18	2 7 2 2 1	1 2 3 - 10	1.1.1.1.1	4 -	11111	3 1 -		1111	1		1111	- 1	1 - 1	1 12
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 10 24 19	1 7 16 5	1 3 1 1	- 2 4 1	11111	1111	- 1	4	1111	1111	- 1 -	14 1,1	1	1	± = = = = = = = = = = = = = = = = = = =	1 9 -
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	11 10 16 14 17	13 10 10 2 20	3 - 4 - 2	3 5 4 1 5		11111	1	3	11111	11111	11111	1 1 1 1 1	1	- - 1	1 - 2	5 - - 6
Banstead Asylum		111111111111111111111111111111111111111	4 -15 2 98 83 43		1 2 2 - 2 1	1111111111111							111111111111				4 - 1 5 2 9 8 3 - 4 3

.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE SPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ling Saturday, 9th December, 1899.

					-	L	b.	O DE				in the	W 80.	r incl	uue		
	Amer	Enume-	za	2	Dea	thsof	·	1	1	Death	1 .	m.	-			io	891
REGISTRATION SUB-DISTRICTS,	in Acres.	Population, 1891.	вівтня	реатня	Infants under Year of Age.	Persons aged 60 Years & upwds	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever	Diarrhea.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
OON-OUTER RING -	368,749	1,422,063	983	548	142	166	-	16	6	18	2	5	5	21	49	49	1
Darshalton $H$ Epsom, $part of^*$ $WwHH$ -	12,228 10,423	26,108 12,508	9 2	8 4	$\frac{1}{2}$	1 2	-	-	-	2	-	-	1	~	_	2	1
dodstone, part of W -	2,754	1,598	4	-	-	-	-	-	-	-	-	-			-	-	
Croydon WwHHH	20,851 11,697	128,699 23,072	78 14	37 6	11 2	14 2	-	1	-	2	- 1	-		-	2 -	6	-
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	10 20 2 8 8	13 7 1 4 6	4 1 - 1 2	5 4 1 1 2	1111	1	11111	11111		1111	1111	1 -	2 - - 1	1	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2,160 2,823	25,389 16,159	7 15	10	1	4 3	-	2		-	-	-		-	- 1	-	-
Fromley $HHH$	9,127 6,542 14,307	23,815 21,969 20,372	17 11 7	6 4 6	2 - 2	3 - 2	-: 1	- 1	-	1	- 1		1 1 1	- 1	- 1	111	-
exley HHH artford WH, part of * -	12,540	<b>30,</b> 590	22	11	2	4	-	-	-	-	-	-	-	1	1	-	1
unbury w taines WH	11,054 13,277	13,671 13,221	9	3	-	1	-	-	<u>-</u>	-	-		-	-	-	-	1
illingdon WHH xbridge ayes wH	6,035 12,757 7,952	12,237 7,253 11,051	11 2 2	7 3 1	3 -	3 -	7.7.7		-		-	= = = =		1 123	1	1	
deworth WHH wickenham HH rentford HHHH hiswick eton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	17 5 21 17 24	9 8 14 3 15	2 1 2 - 5	4 5 6 -3	1111	1 2	1	- 1	1111			1 1 1	1 2 - 3	3 - 1 - 1	
arrow HHH dgware HH lilesden HHH endon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	8 3 63	2 1 31 7	- 8 4	1 - 8 1	1111	1111	2 -	- 1 -	1 1 1 1	1	1111	- 2 -	- 2	1 1 20 20	1111
outh Mimms HH	21,077 4,688	6,367 14,152 25,820	5 9 13	1 9 7	- 2 2	- 4 3	- 1.1	-	-	-	111	-	-	1 -	1	-	
ornsey $HH$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	27 74 28 20 3 4	21 33 13 9 2	3 12 1 3 -	9 7 6 3 - 1	11111	1		117171			- Î	1 2	25	1 3 -	111111
atfield, part of * W ushey H atford WH, part of * -	3,306 9,331	582 7,737	1 2 -	- 6 1	2 -	- 1	-			1-7-1	_	-	-	-		-	1 7 1
ratford H = a = a sistow HHH =	4,706 3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	27 53 50 22 56 66 57 4	21 23 27 16 27 47 31	5 7 8 3 10 14 11 1	6 5 6 5 4 12 5 1	1711111	- 2 - 1 -	1 1	1 1 1 2 4 -		1 1 1		1	2 8 1 3 2 4 1	- 2 3 - 14 - -	- 2 1 - - -
omford, part of * WH - ord - wking Town, H -	6,556 8,493 3,814	4,324 10,913 14,301	2 16 13	298	1	1 5 1	1 1.1 3	- 2		1111	1111	- - 1		- 1	2	1	-
astern Fever Hospital, Hackney, andon County Asylum,	_		7	1		-	-	-	-	1	-		-	-	-	1	-
Hanwell. Ondon County Asylum,				1	-	1	-	~	-		***	-	- [	-	-	1	-

rtsof sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring ows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham y in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst et, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097); 185: 1, the parish of Northaw in ub-district; 187: 1, Chigwells sub-district, except the parish of Theydon Bois and part of the parish of Epping ): 189: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospitals for Boises as belonging to the Outer Ring in 42; 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-district,

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS an Rate of MORTALITY during the week ending Saturday, 9th December, 1899.

*															
				L RATE			The D	CATH	Sreg	istere	dint	he We	ek in	clude	
GREATER	Area	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of	1			Deat	hs fro	m		
LONDON.	Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhoss.	Wiles Since
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	1
GREATER LONDON	443,421	6,528,434	20.0	1.9	2505	548	723	_	75	21	61	22	34	19	9
INNER LONDON -	74,672	4,546,752	22.4	2:1	1957	406	557	_ :	59	15	43	20	29	14	70
OUTER RING -	368,749	1,981,682	14.4	1.4	548	142	166	-	16	6	18	.2	5	5	2

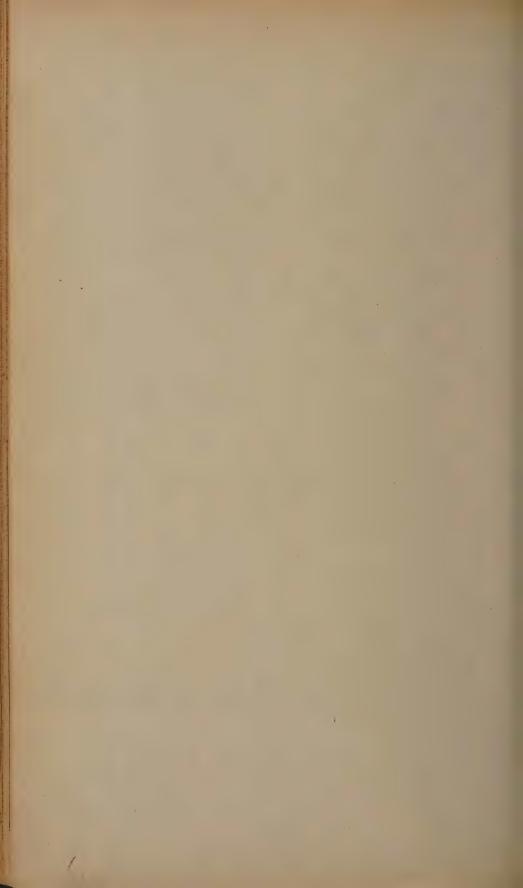
NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692°845 square miles, which is equival the area of a circle having a radius of 14°851 miles.

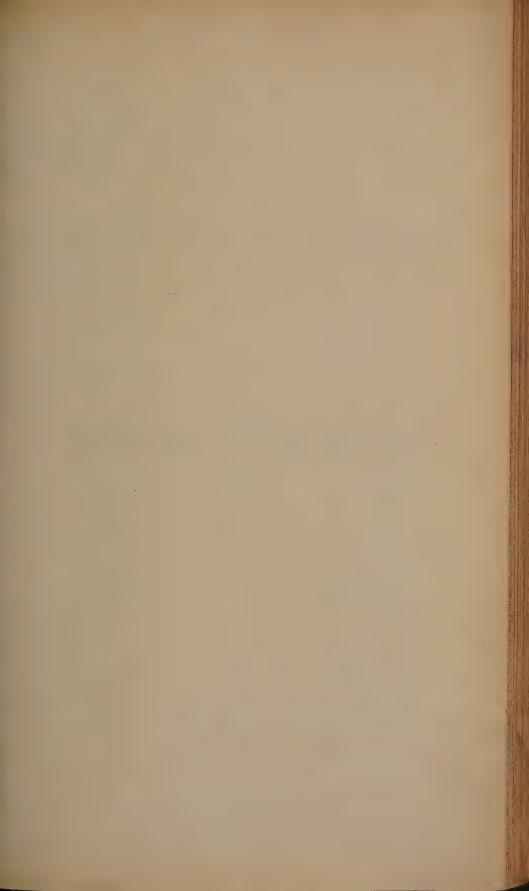
TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

		and	in certain	Foreign	N CITIES.					
						DE.	ATHS FR	OM PRI DISEA	NCIPA SES:	L ZY
CITIES,	POPULATION (enumerated or estimated).	DATE OF RETURN. Week ending	BIRTHS.	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Diphtheria.	Whooping-	Fever.
EDINBURGH - GLASGOW DUBLIN	298,927 733,903 349,594	Dec. 9 ,, 9	168 390 206	101 278 258	17.6 19.8 38.5	-	6 -	3 3	3	4 2
CALCUTTA BOMBAY MADRAS	466,460 821,764 452,518	Oct. 14 Nov. 14 ,, 3	188 394	267 804 396	29·8 50·9 45·5	9	1 - 13 ? 2 ?	1	3 -	109 188 98
PARIS BRUSSELS	2,511,629 £61,130	Dec. 2	1039 240	913 137	18·8 12·7		. 2 . 4			12 2
AMSTERDAM - ROTTERDAM - THE HAGUE -	517,595 315,305 199,285	Nov. 25 ,, 25 ,, 25	303 205 102	126 97 52	12.6 15.8 13.6	-	1 1 1	4	3 1 -	2 2 -
COPENHAGEN - STOCKHOLM - CHRISTIANIA -	349,000 291,580 221,255	Dec. 2 Nov. 25 Dec. 2	187 - 152	112 - 58	16.7 - 13.6		- !- - !- - !-	1 - 3	-	2
ST. PETERSBURG MOSCOW	1,132,677 988,610	Nov. 25	715	536 511	24.7 27.0	1	11 18		4	1 <u>4</u> 8
BERLIN HAMBURG DRESDEN BRESLAU	1,818,517 675,351 397,300 406,012	, 18 Dec. 2 Nov. 18 Dec. 2	839 - - 238 -	573 164 129 184	16·2 12·6 16·8 23·6		3 - 8 4 2 1	5* 1* 2	8 1 2 1	2 - 1 -
MUNICH VIENNA PRAGUE BUDA-PESTH -	1,623,134 384,622 666,722	Nov. 25 ,, 25 ,, 25	824 171 421	191 542 158 275	22·3 17·2 21·3 21·4		11 7 - 2 9 13	1	1 1 1 1	1 3 1 2
TRIESTE ROME TURIN (10 days) VENICE	166,599 508,779 344,203 172,288	,, 18 ,, 11 Oct. 10 Nov. 18	84 - 206 58	74 - 174 75	23·0 - 18·5 22·7		4 4	3*	- 1 1	5
CAIRO ALEXANDRIA -	570,062 319,766	,, 4	460 223	368 154	33.6 -25.0	1 -		2*	-	6
NEW YORK (including BROOKLYN) PHILADELPHIA	3,550,053 1,266,832	,, 4 ,, 25	1577	1049 386	15·4 15·9	1 -	9 8		11	18 4

Including deaths from croup.
 Including 33 deaths from plague in Calcutta, and 88 in Bombay.
 Including 9 death from cholera in Calcutta, and 1 death in Bombay.

	Ozone,		0.0	0.0	0.0	0.0	1:0	3.0	0.0	9.0	26	808	nsof	sions ears the	oum The	bles.	and	eter.	lent,	7th;	
in a Gauge	whose receiving	surracers 5inches above the Ground.	in. 0.00	0.11	21.0	0.13	20.0	0.00	0.00	Sum 0.46	25	lofthe	he meal	wenty y	momete   minin   mn 8).	rical Tabbservat	higher,"	Electrometer m. moderate	Instrum of the w	on the	
n. 8.		Departure from Average of 16 Years.	Miles. - 187	+ 94	86 -	- 45	1 30	+ 74	- 75	Sum -267	24	ean leve	P.M. T	ation of ng the t	um and air (colu	ucea iro ygromet nof the rizonta	icates"	istering E. weak; m.	inshine	h. P.M. 08 in. by	
Robinson's,		Horizontal Movement of the Air on each Day.	Miles.	397	206	259	275	379	231	Sum 1862	23	aidnight ve the m	sealever.	ade duri	e dry br maxim reofthe	y are ued isher's H liscussio hat of ho	at + ind	lexerror elf-regist ; w. we	Stokes Su lay.	in. by 30 sed to 30	
<u></u>	90	Mean of 24 hourly obs.	1bs.	10.4	0.0	0.1	1.0	2.0	0.5	:	22	httor	duce to	s by the	of the peratu	by Glarion a rom a time time time time time time time time	ras ron rind th	unein on's se gative	pbell-S each (	29.44 lecreas	
	Square Foot,	Least.	1bs.	0.0	0.0	0.0	0.0	0.0	0.0	:	21	nidnig 159 fe	to re	value c recc the 1	ading ings of tem	eters rived f g 1890	e in n	homs N. ne	eCam ine on	sed to	
	Sque	Great-	lbs. 0.2	3.6	1.4	1.3	5.5	0.0	2.7	:	20	rom n	A.M.;	daily graphi uring	ean re read	rmom natde	born	from Tive;	sunsh	lecrea 9th;	
Osler's.	irection.	P,M,	Variable,	WSW.	WSW.	SSW.	N. & E.	E	E, ESE.	& E.	61	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the barometer is 159 leaf above the mean level of the sea	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at this. As, noon; sh. P.K., and the the decorporatings of the barometer the dry bulb thermometer and the wet bulb	blermometer, are converted into mean daily values by the application of corrections deduced trom a discussion of the photographic records made during the ewenty pears ending 1873 for the barometer, and during the twenty years ending 1863 for the	definitions. With the corrected mean reading of the dry bulb thermometer is a combined the corrected mean of the readings of the maximum and minimum theorem conference from the corrected mean of the readings of the maximum and minimum continuities, forming the mean daily value of temperature of the air (column 8). The	and want own point temperature and uegree of numbers are deduced from the first daily want of the first and the first and the first and the first and the first and the first and the first and the first and the first and the first and the first and the first and the first and the first and the first and the first and first and the first and firs	or Lee attrong a use usual of the anomometric records for the lo years ending 1870.  In reading columns 9 and 24 it will be borne in mind that + indicates " higher," a "longer," than the average.  "".comer," than the average.	The values year in the transference of the interest of the transference of the transference.  The record of Electricity is derived from Thomson's self-registering Electrometer.  The symbols employed are:—P. positive; N. negative; w. weak; m. moderate; s. strong: and v. variable.	s,derived from of bright	to 30.39 in. by 10th. A.M. on the 3rd; decreased to 29.44 in. by 3h. P.M. on the 7th; the greated to 30.10 in. by 6h. P.M. on the 9th; and decreased to 30.08 in. by the end of	
	General Direction.	A.M.	-	SSW., SW.	WSW.	SW. &	WSW. &	E. & ESE.	E, ENE.	SW.	18	oply to the c	as been appl are usually es of the b	discussion of the paron	with the corrected recreived recreived the	the dry and emperature wich during	lumns 9 and the averag	which cannot be determined. The record of Electricity is The symbols employed are: s. strong; and v. variable.	in column 28 gate duratio of the beron	10h. A.M. on 10 in. by 6h.	
- 6960	Earth 3 feet	below the Surface.	48.50	48.01	47.70	67.80	48.03	48.26	47.88	48.03	17	esults ar	ection have	meter, a d from a 1873 for	combined the thermometers, for	alues of verage to t Green	ading co	sannot becord o mbols e g; and v	umbers	in, by	O.K.
£4.	HOTH	Lowest on the Grass.	24.0	33.0	43.0	46.0	34.7	25.4	24.9	33.1	16	The r The b	Obser the ever	thermo deduce ending	combin thermo	daily variation Thea	In res	which The r The sy s. stron	The n	to 30.39	UIIG WOOK
Dadiotion		Highest in Sun's Rays.	41.8	72.1	0.19	6.79	23.8	69.2	53.3	5.99	15		frost in morning;	morning; fine, with small cloud till evening; overeast,	Foggy at	showers.	great at rain	ain in idy at	Hoar frost in		
Degree of Hu-	(Satu-	equals 100).	63	80	26	94	66	22	72	87	14	ω.	n mo	with			g and sligh	ght r	Ioar f		
	1	Least.	0.0	2.2	0.0	1.2	0.0	1:2	1.9	1.6	13	GENERAL REMARKS	rost in	fine, rening	ht rair	oceasional	nse fo	nal sli rening	Š		
and Dew Point Temperature.	-	Great.	5.8	0.6	2.5	2.2	9.1	8.1	9.11	5.0	12	L RE	toar fi	day.	nt slig	st; oc	st; den	ceasion	y clou		
and l	-	Mean daily value.	0 1.7	0.9	8.0	9.1	0.5	6.9	8:5	3.6	F	NERA	with hoar frost	A cold day. morning; cloud till e	ight. requer mild.	overcast; day.	verca	rith of y fine cold.	enerall		ı
Of the Dew	point.	Mean daily value,	31.9	40.0	48.9	49.9	44.4	28.0	25.1	38.3	10	GE			ith rain at night.  Overcast: frequent slight rain, mes. Very mild.	Generally c	rally c	perwauth. Overcast, with occasional slight rain orning; very fine till evening; cloudy ght, Very cold.	Fine, but generally cloudy.	i o	
	Da.	ge ge	0 - 7.2	+ 4.9	+ 8.4	+10.5	+ 3.6	1.9 -	0.2 -	+ 1.0	6		Cloudless,	afterwards, Cloudy in amounts of	with rain at night. Overcast; frequetimes. Very mild.	Gene. A very	Generally overcast; dense fog and great gloom till afternoon; frequent slight rain	ancerwain, with occasional slight rain Overcast, with occasional slight rain morning; very fine till evening; cloudy night. Very cold.	Fine, but generally cloud		
ir.		Mean daily value,	33.6	46.0	49.7	21.2	44.6	34.5	33.3	41.9	000	Sun above Horizon, in hours.	8.1	8.0	0.8	0.8	8.0	6.2	6.2	Sum 55.9	53
Of the Air		Daily Range,	0 15.4	6.4	4.5	9.9	14.2	7.3	5.2	∞ ∞	7	ine H ine H ine in						61	10		~
Ŭ		Low- est	26.4	41.6	46.5	48.3	9.68	32.3	30.3	37.9	9	Registered Sunshine in hours.	0.0	23.5	0.0	0.0	0.0	6.5	0.2	Sum 10.0	28
		High-	41.8	49.5	0.19	6.79	53.8	9.68	35.8	46.6	5		1	out -	out -	ally;	ınder	inder till after-	out -		
Mean	reading (cor-	rected and re- duced to 32° Fahren- heit).	in. 30.345	30.022	29.960	29.664	29.482	29.762	30.026	29-906	4	ELECTRICITY. (For explanation of symbols, see Note.)	m. P. generally	w. P. throughout	w. P. throughout	w. P. generally; occasional w. N. in morning.	Instrument under djustment,	Instrument under adjustment till 5h. P.M.; m. P. afterwards.	m. P. throughout		27
Phases	ofthe	Moon,	New. Gr.	:	:	:	Perigee	:	In		က	ELI (For e	m. P.	w.P.	w.P.	w. P. occasions	Instrumer adjustment,	Instradjus 5h. P.M. wards.	m. P.		
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1899.		MONTH AND DAY	DECEMBER SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DECEMBER	SUNDAY -	Monday -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
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LONDON:
PRINTED FOR HER MAJESTY'S STATIONERY OFFICE
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1899.

## OFFICIAL COPY.

#### WEEKLY RETURN

#### BIRTHS AND DEATHS IN LONDON AND IN

# THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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No. 50, 1899, Vol. LX.7

WEEK ENDING SATURDAY, DEC 16.

General Register Office, Somerset House, December~18th,~1899.

Price  $1 \frac{1}{2} d$ .

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in Thirty-three Great Towns of England and Wales corresponded to an annual rate of 22.0 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

		Weeks	endin	g	Week	s ending
Towns,	Nov. 25.	Dec.	Dec. 9.	Dec. 16.	Towns. Nov. Dec 25. 2.	Dec. Dec. 9. 16.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield-	24·5 24·0 21·6 18·0 16·3 20·3 20·0 18·9 15·2 13·5 13·2 18·1 14·4 12·1	16·3 19·1 14·3 15·4 16·8 22·9 18·0 15·2 16·3 11·4	16·9 20·8 18·0 19·9 21·6 19·5 15·7 14·3 13·1 21·1 21·5 21·3 17·1	14·0 22·6 17·0 16·7 20·5 20·7 21·3 16·6	Liverpool - 24.8   23.   17.5   19.   Manchester - 19.5   18.   Newcastle-on-Tyne   19.2   19.   Nottingham - 18.0   18.   Oldham - 18.0   18.   Oldham - 23.5   16.   Plymouth - 23.5   16.   19.   Salford - 24.4   21.   Sheffield - 22.7   21.   Swansea - 16.1   15.   15.   15.   15.   15.   16.   15.   17.   15.   16.   16.   17.   17.   17.   18.   17.   18.   17.   18.   17.   18.   18.   17.   18.   18.   17.   18.   18.   17.   18.   18.   18.   17.   18.   18.   17.   18	5 21·0 22·8 25·9 26·4 22·4 23·5 20·8 18·6 21·0 19·7 13·4 16·1 14·4 19·2 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·3 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 26·4 27·4 27·4 27·4 27·4 27·4 27·4 27·4 27
		14.4	18.2	20.4		$7 \begin{vmatrix} 16.5 \\ 22.9 \end{vmatrix} 24.1$

The highest annual death-rates per 1000 living, as measured by last week's mortality, were :—from *measles*, 1.0 in Huddersfield and in Gateshead, 1.1 in Halifax, in Bradford, and in Hull, 1.2 in Liverpool, 1.4 in Sheffield, 1.8 in Birkenhead, 2.0 in Swansea, and 3.1 in Preston; from scarlet fever, I'l in Bradford; from whooping-cough, 1.0 in Leicester, 1.2 in Blackburn, and 1.4 in Norwich and in Salford. In none of the thirty-three towns did the death-rate from "fever," or from diarrhæa reach 1.0 per 1000. deaths from diphtheria included 55 in London, 16 in Leeds, 11 in Sheffield, 8 in Portsmouth, 5 in Leicester, 5 in Liverpool, 4 in Norwich, 3 in Brighton, and 3 in Birmingham. Twelve deaths from small-pox were registered in Hull and 1 in London, but not one in any other of the thirty-three towns.

LONDON.

In LONDON† 2269 BIRTHS and 2078 DEATHS were registered. Allowing for increase of population, the births were 350 below, and the deaths 313 above, the average numbers in the corresponding weeks of the last ten

<sup>\*</sup>By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within registration London. As far as practicable, the deaths thus excluded from Registration London ar, for the purposes of Tables 1, 6, and 7, achied to the Orac Ring, or to other areas to which they belong.

years. The annual death-rate per 1000 from all causes, which had been 17.5, 19.4, and 22.4 in the preceding three weeks, further rose last week to 23.8. During the four weeks ending on Saturday last the death-rate averaged 20.8 per 1000, being 0.9 per 1000 above the mean rate in the corresponding

periods of the ten years 1889-98.

The 2078 deaths included 1 from small-pox, 57 from measles, 9 from scarlet fever, 55 from diphtheria, 36 from whooping-cough, 13 from enteric fever, 14 from diarrheea and dysentery, and not one death from typhus, from any ill-defined form of continued fever, or from cholera; thus, 185 deaths were referred to these diseases, being 22 below the corrected average weekly

The death from small-pox was that of a man aged 24 years, who had been removed from Whitechapel sanitary area to the Metropolitan Asylum Hospital Ship "Atlas" off Dartford. The deaths from measles, which had been 44, 43, and 59 in the preceding three weeks, fell again last week to 57. the corrected average being 58; 7 cases belonged to Battersea, 5 to Whitechapel, 4 to Islington, 4 to Wandsworth, and 4 to Camberwell sanitary areas. The deaths from scarlet fever, which had been 13, 8, and 15 in the preceding three weeks, fell again last week to 9, and were 11-below the corrected average; 2 cases belonged to Shoreditch sanitary area. The deaths from diphtheria, which had been 43, 52, and 43 in the preceding three weeks, rose again last week to 55, which is also the corrected average; 8 cases belonged to Camberwell, 6 to Bermondsey, 5 to Islington, 4 to Greenwich, 3 to Bethnal Green, 3 to Poplar, 3 to St. George Southwark, and 3 to Battersea sanitary areas. The deaths from whooping-cough, which had been 16, 15, and 20 in the preceding three weeks, further rose last week to 36, but were 4 below the corrected average; 5 cases belonged to Hackney and 4 to Poplar sanitary areas. The fatal cases of *enteric fever*, which had been 29, 26, and 29 in the preceding three weeks, fell again last week to 13, and were 6 below the corrected average; 2 cases belonged to Bethnal Green and 2 to Limehouse sanitary areas. The deaths from diarrhæa, which had been 10, 7, and 14 in the preceding three weeks, were again 14 last week, this number being also the corrected average. The deaths referred to diseases of the respiratory organs, which had been 350, 430, and 548 in the preceding three weeks, further rose last week to 646, and were 208 above the corrected average. The deaths attributed directly to influenza numbered 38, having been 12, 17, and 42 in the preceding three weeks.

Different forms of violence caused 81 deaths, concerning all but 2 of which inquests were held. Of these 81 deaths, 8 were cases of suicide, while the remaining 73 were attributed to accident or negligence. Eight of these were referred to vehicles in the streets, 11 to burns and scalds, and 22 (of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 3084 cases of scarlet fever, 1720 of diphtheria, and 452 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 180 cases, against 293, 294, and 277; of diphtheria, 218 cases, against 266, 212, and 237; and of enteric fever, 50 cases, against 54, 69, and 65.

GREATER LONDON.

In Greater London 3273 births and 2680 deaths were registered, corresponding to annual rates of 26·1 and 21·4 per 1000 of the estimated population. In the Outer Ring 6 deaths from measles, 5 from scarlet fever, 18 from diphtheria, 8 from whooping cough, 9 from "fever," and 2 from diarrhœa were registered. Eleven deaths from diphtheria, 6 from whooping-cough, and 4 from "fever" occurred in West Ham District.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.70 inches, and that of the Thermometer 29.9; the latter being 10.91 below the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 49 per cent. below the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 74 hours; the measured rainfall amounted to 0.05 of an inch.

The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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to the Week's Deaths	IIA n	us)	- -	17.	22.0	0.00	22.8	8.91	0.02	20.7	30.3	0.17	10.01	0.70	0 #5	24.1	9.73	16.6	1.77	19'4 14'7	) #I	14.0	0.97	7 0.01	23.4	19.4	16'6	17.0	25.7	9.6	17.6	20.2	¥.0.4	417	20.1	19.1	19.4
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ı	BIRTHS,		27		5905	5269	180	52	51	106	55	172	84	20	09	308	21.0	115	125	56	90	369	85	287	139	72	22	90	70	37	7.9	806	193	147	104	72	121
estimated to the	the Year 1899,*		1.	_	20	4,546,752	300,241	127,759	123,226	190,741	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115.162	634.212	162,221	543,902	218,244	150,772	113,081	135,154	111,022	103,464	127.78	493 880	361,169	234,270	145,613	106,552	228,625
			Cols.	-	1	1	1	1	1	1	1	1	3	1	Z	1	1	1	1	1	1	1	1	1		1	ı	1	,		1 1	- 1	1	1	1	1	
AND	вовопанѕ.		Co	OW/WOT/ 96	SO TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHUAD	LIVERPOOL -	BOLTON -	MANCHESTER	SALFORD -	OLDHAM -	BURNLEY -	PRESTON -	TO TOTAL	HALIFAY+	BRADFORD! -	LEEDS	SHEFFIELD -	HULL	SUNDERLAND	GATESHEAD -	NEWCASTLE -

TABLE 2. LONDON .- Births and Deaths Registered in the FIFTIETH Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	188
TOTAL Births  Males Females	2535 1323 1212	2293 1144 1149	2625 1357 1268	2451 1233 1218	2474 1264 1210	2597 1247 1350	2219 1171 1048	2555 1342 1213	2623 1292 1331	2519 1309 1210	2618 <sup>.</sup> 9 1334 <sup>.</sup> 4 :1284 <sup>.</sup> 5	320 11' 109
TOTAL <b>Deaths</b> -  Males Females	901 867	1787 910 877	1449 748 701	1589 824 765	2400 1165 1235	1550 780 770	1477 759 718	1539 789 750	1796 910 886	1423 734 689	1765*3 896*5 868*8	207 104 105

<sup>\*</sup>The numbers in this column are the average weekly numbers in the fiftieth week of the ten years 1889–98, raised by 5–213 per cent. for increase of population.

TABLE 3. LONDON.-BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS in HOSPITALS, in the Last THIRTEEN WE

• 1	m HC	SPITA	ALS, 11	the.	Last '	LHIRT	EEN	VEEK	s.			**	
1	Sept.	Sep 30.	Oct.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Nov.	Nov. 18.	Nov. 25.	Dec.	Dec.	. De
Tetal Births	2531	2399	2540	2549	2529	2495	2613	2711	2674	2556	2439	2339	226
TOTAL Deaths	1649	1456	1564	1637	1567	1844	1626	1506	1528	1526	1695	1957	207
$\begin{array}{c} {\bf Ages\ at} \begin{cases} {\bf Under\ 1\ year} & - & - \\ 1-5 \ years & - & - \\ 5-20 \  \   & - & - \\ 20-40 \  \   & - & - \\ 40-60 \  \   & - & - \\ 80 \ years\ and\ upwards \end{cases}$	502 188 106 204 309 269 71	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 363 339 83	334 215 116 218 280 274 69	355 180 93 214 318 300 68	331 226 94 193 305 312 65	388 209 74 227 351 349 97	406 247 117 225 405 446 111	42 25 11 25 42 47 13
Deaths from— Small pox	17 8 42 19 24 162 6	15 9 44 23 19 81	21 7 55 10 - 19 - 53 2	20 9 56 10 21 49	26 6 60 . 6 15 25	34 14 59 10 - 40 - 17	33 7 39 14 - 29 - 22	42 14 68 11 - 51 - 13	29 6 56 9 - 55 - 20	- 44 13 43 16 - 29 - 10	43 8 52 15 - 26 - 7	59 15 43 20 - 29 - 14	55 55 56 36 
All the above Diseases -	278	193	167	165	138	175	145	199	175	155	151	180	185
Dis. of Respiratory System—Phthisis—————————————————————————————————	138 139 134 71 147 482	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 123 54 122 507	325 133 107 75 144 509	324 141 148 57 134 494	350 153 141 61 154 485	430 177 143 66 155 532	548 190 165 76 188 603	646 225 172 81 202 577
TEMPERATURE OF THE AIR.  Mean	54.6 63.5 48.2	52·1 61·0 45·5	49°3 56°6 42°6	47·3 58·9 36·2	47·4 56·6 39·4	51.8 57.4 45.9	53·2 59·1 47·1	50°9 56°2 45°4	45*9 51*3 39*9	45.5 49.0 40.6	45°3 50°5 39°4	41.9 46.6 37.9	29.9 34.2 23.7
Humidity of the Air	68	76	86	82	82	90	83	78	84	80	82	87	73
Rain-fall (in inches)	0.36	1.01	0.50	0.12	0.00	1.30	1.81	2.33	0.00	0.00	0.29	0.46	0.05
Registered Sunshine (in hours)	38.3	32.5	12.2	38-9	43.3	7.8	22.5	20.9	8.4	0.0	8.2	10.0	7.4
CASES OF INFECT	ious s	ICKNI	ESS IN	Hosp	ITALS	* AT T							-
Small-pox	2758 1474 235	2896 1487 252	3003 1519 275	3217 1595 308	3408 1659 331	3504 1700 342	3539 1715 407	3564 1692 426	3578 1736 443	3503 1761 448	3445 1735 461	3290 1730 460	3084 1720 452

\* The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.;—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O Pilkington Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4. FIFTIETH Week of the Year 1899.

					FII	FTI.	ETI	4 V	veel	of the Year 1899.									
	r the	Se	In	the sy, 1	Wee 6th 1	k en Dece	ding mber	r 189	9.		, the years	Sa	tur	n th	e We 16th	ek e	nding	g r 189	9.
	the 10.		De	aths th	of P	erso ges	ns o	ŧ.			he 10		D	eath	s of the	Perso Ages	onso	Í	
ISES OF DEATH	d Averages esk of the 1889-98*,	SG.	ס	nder	r	ter 40.	ler 60.	ler 80.	and 3.	CAUSES OF DEATH	Averages k of the 1889-98*,	, S	7.1	Unde	er .	ler 40.	ler 60.	ler 80.	pue
	Corrected 50th Wee	ALLAGES	1-0	10 - H	5-20.	30 and under 40.	40 and under 60	60 and under 80.	80 years a upwards.		Corrected 50th Week	ALL AGES	0-1.	1-5.	5~20.	20 and under	40 and under	- ೧೯	8c years
USES	1765:3	2078	427	251	110	256	426	476	132	Diseases of Circulatory System }	152.2	172	2	-	9	21	63	73	4
Vaccinated † Unvaccinated No Statement Fever	0.2 0.2 0.2 58.2 19.7	1 - 57 9 -	12	41 5	32	1 - 1	1 - 1	1 1 1 1 1	111111	Croup Bronchitis Pneumonia Other Diseases of Res- piratory System -	5.8 258.9 131.2 5.7 36.2	1 392 200 13 40	111 56 - 9	46	5 2	7 27 2 3	63 37 5 12	132 23 3 12	6
rga	28·1 40·1 55·2 0·1 19·3 0·1 14·0	38 55 - 13 - 14 -	1 9 3 - - - 11 -	1 27 32 - - - -	2 19 - 3 - -	1 - 7	7 - 3 - 1	18 2	5	Dentition Quinsy, Sore Throat - Enteritis - } Gastro-enteritis - } Peritonitis - Diseases of Liver Other Diseases of Digestive System	11·3 2·0 12·4 { 6·7 26·4 30·1	8 2 8 18 4 29 23	6 - 3 12 - 2 4	2	1 1 2 3	- 1 1 2 8	2 2 3 11 3	- 1 - 8 4	2
x and Effects of anation } al Affections   al Affections   and Septicæmia	0·4 8·9 7·3 2·1	11 3 2 4 2	- - 4 1	- 2 - 1	- - - 1	- 21	3 -		1 1 1 1 1	Diseases of Lymphatic System & of Ductless Glands	2:3	2 September 2 Sept		-		1	1	_	-
ral Fever Zymotic Diseases	6:3 1:8	2	1	-	_	4	ī	-	- I	Diseases of Urinary }	50.0	54 		1	4	8	19	19	3
and other Para-}	1·1 0·3		1 1	1, 1	-	-	-	-	- I - I -	Diseases of Generative } System } Accidents of Childbirth-	6°0 5°2	5	-		- - 	5	3	1	- transfer
ion, Want of										Diseases of Locomotive, System	4.8	5	_	_	1	2	1		1
t-milk }	1·4 9·3	2 14	2	-	-	8	5	1	-	Diseases of Integumen- tary System-	6.6	6	1	-	-	-	2	2	1
atic Fever, matism of Heart atism	9:5 2:1 2:8 5:2 71:6 16:6 21:6 16:1 16:6 13:9	9 2 3 5 79 6 15 225 22 17	3 3214	- 2 3 9 4 10	4 4 14 4 1	3 - - 3 - 105 1 4	- 28 - 82 2	1 2 3 42 - 18 1 7	- 6 - 1	VIOLENT DEATHS.‡  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Sealds, Explosions - Seales, Explosions - In Conflagrations - By Burns, Sealds, Explosions - In Conflagrations	60.5			- - - 5	- - - 5	- - - 1	1 4 1 1	31	二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十
ture Birth asis ital Malforma- 8	49.0 3.7 6.9 56.1	55 2 6 72	55 2 5	-	_ 1 _	1 1 1 1	-	33	39	By Drowning - By Suffocation in Bed - By Poisons or Poisonous Vapours - Other or not stated causes		2 22 2 2 22	- 22 - 2	1	- 3	- - 1	2 4	6	1
xy sy Bions Diseases of Brain Nervous System	48 <b>·1</b> 6·3 34·6 89·5	71 11 32 59	29	- 2 9		-2	7	37 1 1 17	91 - 7	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1·2 6·8	181	-	-		- 4 -	_2	-2	The state of the s
es of Organs of all Sense	3*6	13	2	1	6	3°	-	1	-	OTHER CAUSES	49.0	44	43	-	-	-	1	-	
e numbers in this ac	lumnon	o the	0.77.0	40.0		2012	lve d	00	ba f	on the ten weers 1889-98 rais	and herst	713 : 17	28 (	ent	fo	וו יו	crea	286	

e numbers in this column are the average weekly dev this for the ten years 1888-98, raised by 5'213 per cent, for increase ulation.

y those cases of small-pox are returned as "vace nated" or as "unvace inated" which are so certified by registered men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the of death is not certified by a registered practitioner, the case is returned under the heading "no statement." evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of the murder, mars aughter or suicide. All such causes are classed under "actident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEA, VIOLENCE, &c., registered in State District during the Week ending Saturday, 16th December, 1899.

	name of the parallel			I			The	DEAT	HSre	gister	red di	uring	the W	eeki	nelue	10	
	Enume-			Des	thsof	1				Death	ıs fro	m					1
REGISTRATION SUB-DISTRICTS.	rated Popu- lation, 1896.	Total BIRTHS.	Total DEATHS.	Infantsunder 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Messles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid) Fever.	Simple Continued Fever,	Diarrhoea.	Violence,	Inquest Cases.	
LONDON -	4,411,710	2,269	2,078	427	608	1	57	9	55	36		13	_	14	81	202	5
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	383 491 93 435 867	377 440 100 373 757 31	82 91 21 95 138	118 134 18 83 243	- - - 1	11 9 - 14 23 -	1 2	7 10 - 2 36 -	5 8 3 10 10	11111	4 1 - 4 4 -		22127	14 17 4 25 21	31 44 8 62 57	101111111111111111111111111111111111111
WEST DISTRICTS. St. Mary Paddington (	90,996	51	41	12	12	_	1	_	1	1	_	_	-	-	5	5	
St. John Paddington H G.	33,510	9	10	2 12	1 26	-	3	1	-	-	1. 1	-	-	-	2	7	6
Kensington Town $Ww - W$ . Brompton $HH - W$ . & C.	122,164 48,301	51 10	74 16	1	5	-	-	-	-	-	-	-	-	-	-	7	
North Hammersmith $\dagger H$ W. & G South Hammersmith $\dagger H$ W. & G. Fulham $Ww = -$ W. & C.	44,638 59,561 113,781	25 21 88	12 38 65	5 3 20	3 18 16	-	1 2	2	1 3	-	1 1	1	-	ī	1 3	5	-
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	18 26 17	10 15 18	3 4 4	<b>3</b> 2 9		111		ī	ī -	1 1 1	111	-			2	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	9 29 17 5	15 22 17 9	3 6 1	9 6 4 -	1111	1	1111	1111	1 2 -	1111	- 2 -	1	- 1 -	- 1 1 1	1 4 1	
	23,050 12,048	4 3	9	2 1	3	-	1	1 -		-	-		-	-		2	
NORTH DISTRICTS.  All Souls Marylebone	36,595 19,798 19,637 32,547 32,611 75,449	12 9 40 13 8	21 7 8 13 7	1 - 3 4 3	8 - 4 - 6 1		2 1	1	1 1 1 1 5	1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	1 1	4 - 1 - 1 2	
Regent's Park Paneras $HH - W$ . Tottenham-court $WHHHHHH$ $WHHHHHHH$ $WHHHHHHHHHHHHHHHH$	37,341 26,757 29,426 32,161 16,669 98,410	10 9 16 16 8 42	17 14 10 13 15 44	- 5 5 3 11	5 2 3 1 6 10		- 1 - -	1 1 1 1 1	1	- - - - 1	11111	11111		1	1 2 1 - 2	3 3 3 1 3	
$ \begin{array}{c} \text{Upper Holloway} \\ WWWWwHH} \\ \text{Is lington South-west} \\ H = N. \\ \text{Is lington South- east} \\ - N. \\ \text{Highbury} \\ HH = - N. \\ \end{array} $	98,273 107,365 66,549 64,577	41 66 38 25	84 35 27 12	11 14 4 -	35 6 8 7	1 1 1 1	2 1 -	- ī	1 -	- 1	1 1 1	- - 1	1 1 1 1		3 1 3 -	8 2 6 2	A STATE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN
Stoke Newington H - N. North Hackney - E.& N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.& N.	33,485	$   \left\{     \begin{array}{c}       17 \\       19 \\       21 \\       23 \\       35     \end{array}   \right. $	15 15 14 16 26	5 4 4 5 6	3 6 5 4 6	1111	11111	11111	1 1 20 1 1	1 - 4	1111	1 1 1 1	11111		1 - - 1	1 - 3 1	

NOTE.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated the namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District in which it stands; H—Hospital; L—Lunatic Asylum; l—Frivate Lunatic Asylum in which pauper received. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. signand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth: N. River; E. East London; and K. the Kent Company.

\*See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899 and re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, DARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in each

				_			T	1e DE	ATHS	regi	tered	durir	ng the	Weel	kine	lude		,
	Enume-			<u> </u>	ths o	f .				Deat	hs fro	m				1	utions	Jo
HISTRATION SUR-DISTRICTS	rated Population 1896.	Total BIRTHS,	Total DEATHS	Infantsunder 1 Year of Age,	Personsaged 60 Years	Smail-pox,	Measles,	Scarlet Fever.	Diphtheria,	Whooping-cough,	Typhus,	Enterle (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence	InquestCases	Deathsin Public Institutions	Uncertified Causes
CENTRAL DISTRICTS.																		
sbury and St. Giles $\left. \begin{array}{cccccccccccccccccccccccccccccccccccc$	29,086 9,151	11	15 2	2	6 -	-			-	-	-	-	-	-	1 -	1 -	7 -	-
tin-in-the-Fields HHN.&C. WHH N. Union Workhouse, Edmonton	13,077 11,839 †1,037	3 4 -	672	1 2 -	2 1 1		1-1-1	1 1 1	111	111	1 - 1				111	111	3 5 2	-
n wHHHHHH - N.  les Clerkenwell - N.  ll Clerkenwell - N.  ll-street N.  pad HHHL - N.  ry - N.  ry - N.  tunion Workhouse,  lam N.	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	9 4 19 6 23 3 2	15 4 12 5 11 1	22422-1	3 - 12	1111111	1111111	1111111	1 1 1 1 1 1 1	1	1 1 1 1 1 1 1	1111111		1 1 1 1 1 1 1 1	1	1 1 1	7 - 4	1 1 1 1 1 1 1 1
olph‡ HH N.&E. egate N. ulchre WH N. ows Barking N. London Asylum, Stone	9,762 3,299 9,591 9,059 +388	31 4 1	2 16 1 1	3 - 1	- 1 1	-		-	1111	1		11111	.1111	- - - 1	- 2 -	- 3	12	11111
EAST DISTRICTS.	17,975	_5	4 16	213	-	-	-		-	-		-		-		-	-	_
New Town $w$ N, Old Town N, ston $WH$ N, & E.	29,575 27,645 47,163	5 14 15 25	16 5 29	3 - 3	5 11	-	1 1 1	-	- 1	2	-	1.1.	-	-	1 -	3	13	1 1 1
1 Green North $H$ - E. 1 Green South - E. 1 Green East $WWHl$ - E.	49,301 34,194 45,667	23 21 21	21 15 27	12 4 4	2 1 6	-	1	- 1	1 -	2 -	-	1 -	-	-	222	4 4 2	12	-
elds E.&N. d New Town\$ WH - E. an's Fields\$ E.	26,681 51,995 {	21 20 8	6 41 4	3 4 1	1 8 1	-	2 3 -		-	-	-	2 -	-		4	91	36	111
rge, North E. 1, St. George East W E.	39,576 7 930	30	17 9	14 2	4	-	-	-	-	-	-	-	_		3	5	7	1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	10,434 14,954 32,917	5 10 25	9 .7 11	2 2 5	- 1 1	-	-	-		- ī	-	5		1	2	3 2	6	
d Old Town West H E. d Old Town East E.	111,060	{ 48 35	13 31	2 7	4 12	-	2 -	-	-	ī	-		-	-	-	3	14	-
y_wwH E.	41,687 69,821 57,759	27	22 58	8 10 7	3 21	-	2	_	-	1 1 2	-	-	-			4 8	1 27 1	-

e Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November 1899, and re-named
Bloomsbury and St. Giles South,
† Population in 1891, not included in the total population of the Central Districts or of London.
‡ The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.
techapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

Tyble 5. LONDON.—Population; Births; Deaths from all Causes, and from Small-pox, Me. Scarlet Fever, Diphtheria, Whooping-cough, Fever, Diarrhea, Violence, &c., registered in Sub-District during the Week ending Saturday, 16th December, 1899—continued.

SUB-DISTRICT during the We	ek enuing	Sauu	luay,	1001	Dec								he W	ekin	clude	
N .				Dest	hsof					aths						
REGISTRATION SUB-DISTRICTS	Enume- rated Popu- lation, 1896.	TotalBIRTHS.	Total DEATES.	Infantsunder   Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Enteric (or Typhoid)	Simple Continued Fever.	Diarrhea.	Violence.	Inquest Cases.
SOUTH DISTRICTS.  Christchurch Southwark W.HL.&S. St. Saviour Southwark - S. Kent-road S. & L. Borough-road WH - S. & L.	13,064 12,301 22,879 16,083	7 5 14 10	5 1 8 13	1 2	2122	1.17.1	1		1			1111		20 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	111	- 1111
London-road HL - L.&S. Trinity Newington - S.&L. St. Peter Walworth W - S.&L. St. Mary Newington - L.&S.	21,316 28,723 62,045 30,171	9 11 45 16	11 26 11	1 2 3 5 1	2 2 2 6 3	1 - 1 -	2 -	1 1 1	1 -	1 -	-	1111		1 1 1 1	1 -	2 1
St. Olave $WH \stackrel{\searrow}{-} S$ . Bermondsey $W S$ . Rotherhithe $Ww - S$ . & K.	11,731 85,475 40,379	13 51 21	24 30 26	5 3 2	3 10 9	-	-		1 2	-	-	ī	-	1	32 -	5 5
Waterloo-road <i>HH</i> - L. & S. Lambeth Church 1st <i>H</i> - L. & S. Lambeth Church 2nd <i>WW</i> L. & S. Kennington 1st <i>H</i> - S. & L. Kennington 2nd - S. & L. Brixton <i>w</i> - L. & S. Norwood <i>WH</i> L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	25 11 21 25 23 35 12	8 14 41 21 20 26 16	3284326	1 6 15 9 14 10 4	11111	1 2	111111	ī 1 - -	1 2 -		1111111		1 2	1 - 1	1 1 1 -
East Battersea S. West Battersea WwH S. Clapham H S. Wandsworth WHHL - S. Putney S. Streatham WwwwwL - L.	71,730 93,385 46,953 58,101 20,566 61,644	37 46 18 33 8 26	37 45 16 20 1 26	12 6 3 7 1 6	8 18 7 4 - 6	1 1 1 1 1	6 1 1 1 - 2	-	1 1 - - 4	12	11111	11111	11111		1 1	3 3 3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	1 40 42 36	52 36 25	- 6 6 5	19 22 8	1 1 1	4 -	-	2 1	1111	1111	1111	1 1 1 1	2 -	- 2	1 3
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ K. Greenwich East $WH$ K.	36,152 45,441 33,402 23,012 37,767	25 24 11 15 24	20 21 6 13 19	83221	1 4 1 4 5	True value of the last of the			6 1 -	2	11111	2	1 1 1 1 1	1 -	1 - 2 2	13122
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	3 5 27 14	5 8 30 14	1 2 6 1	2 5 7 6	- 1 1 1	-	1	6	1111	-	1	1111	1111	1111	1111
Charlton $wHH$ - K. Woolwich Dockyard - K. Woolwich Arsenal $HHHH$ - K. Plumstead West $H$ - K. Plumstead East $WH$ - K.	21,959 16,714	12 9	9 11 12 4 20	3	2 2 -	11111	1 -	-	4 - 2	1 -	-	-		11111	- 1 -	2 - 2
Banstead Asylum	-		3 3 3	-	- 2	1			111111				11:11:1	111111	1111111	
Colney Hatch Asylum N.E. Hospital Winchmore Hill Hospital Leavesden Asylum	=	1 1 1 1 1	66		-	-	-	2 -			1111	1111		-	11111	1 1 1 1

6.—LONDON.—OUTER RING (excluding Deaths of Londoners in Metropolitan Workhouse ospitals, and Asylums).—Area; Population; Births and Deaths registered during the Week ding Saturday. 16th December, 1899.

			-		-		k	e DE	ATHS	regis	tered	in th	e Wee	k incl	ude		
		Enume-			Dea	thsoi	¥			Deat	hs fro	om					1 20
REGISTRATION SUB-DISTRIOTS,	Area in Acres,	rated Popu- lation, 1891.	BIRTHS	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough,	Fever,	Diarrhosa,	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes
DON-OUTER RING -	368,749	1,422,063	1,004	602	156	176	-	6	5	18	8	9	2	11	41	54	1
Carshalton H Epsom, part of* WwHH -	12,228 10,423	26,108 12,508	17 5	4 5	2	2	-		-	-		-	-		-	- 2	-
Godstone, part of* W -	2,754	1,598		2	1	1		-	-	-	-	-	-		_	1	
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	60 7	54 8	11	15 5	-		-	-	1	1	-	1	5	11	-
Wimbledon $HHH$ Kingston $WH$ Surbiton $H$ Esher, $part of^*HH$ Hampton $HL$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,566\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	19 14 5 4 10	15 13 3 7 6	1 3 - 3 3	4 7 3 2 1	1111	1111		1	-		11111	11111	2 -	3 -	
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	7 12	11 6	3	7 2	-	-	-	-	1	-	-	- 1	1		-
Bromley $HHH$ Beckenham $H$ Chislehurst, $partof*$ $WHH$	9,127 6,542 14,307	23,815 21,969 20,372	9 7 13	3 8 7	1 - 3	1 5 2	-	-	-	ī	111		- - 1	1	1	1	-
Bexley HHH Dartford WH, part of* -	12,540	<b>30,</b> 590	32	15 2	5	3	-	-	1	1	-	-	-	-	1	2	2
Sunbury $w$ Staines $WH$	11,054 13,277	13,671 13,221	11 10	4 3	2 2	1	-	-	-	-	-	-	~	-	-	-	- 1
Hillingdon $WHH$ Uxbridge Hayes $wH$	6,035 12,757 7,952	12,237 7,253 11,051	6 13 8	$\frac{1}{4}$		1	-	-		-	-	-		-	-		
sleworth WHH Cwickenham HH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	26 5 16 11 17	11 2 10 6 9	3 1 2 1 1	5 - 2 3 4			111-	11111				11111	1 - 1	5	11111
Harrow HHH Edgware HH Willesden HHH Hendon WH	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	7 3 73 12	$\begin{array}{c} 2 \\ 1 \\ 42 \\ 7 \end{array}$	1 10 4	1 13 1			1	1	11.11	- 1		1	- 5 -	- 2	1111
outh Mimms $HH$ sarnet $WHH$ inchley $HHH$	31,077 4,688	6,367 14,152 25,820	2 3 18	2 7 10	- 2 2	2 2 4	-	-	-	-	-	-	-	-	1 1	1 2 -	
Iornsey HH	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	24 62 40 20 3 7	20 37 18 18 - 9	3 7 4 2 - 3	11 10 8 4 2			ī - -	1 - 1	1 1 1 1 1 1	- 2		1	1611	- 22	- 2
Tatfield, $part of * W$ ushey $H$ Vatford $WH$ , $part of * -$	3,306 9,331	582 7,737	6	2	1	1	-	-		-	-	-	-	-		-	-
tratford $H$ — Laistow $HHH$ — — — — — — — — — — — — — — — — — —	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	30 76 43 31 63 41 67 2	13 28 23 23 25 40 32 4	7 14 5 5 12 15 7	1239395		1 - 1 2 - 1	1111111	1 1 2 - 6	- 2 1 - 1 2 -	1 2 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 1 3 1	3 4	1 1
omford, part of * WH - ford	6,556 8,493 3,814	4,324 10,913 14,301	7 10 10 -	4 9 4 1	21	23 -	1711	-	-	1		-	-	- 1	1	2	1111
			-														

artsof sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring lows: -30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351): 37: 1, the parishes of Warlingham y in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282): 41: 3, Chislehurst et, except the parishes of Chelsfield, Cudham, and Knockholt (pop. 3,097): 135: 1, the parish of Northaw in ub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping b): 189: 1, the parish of Dagenham in Romford sub-district: also deaths in Workhouses and Hospital for Biseases belonging to the Outer Ring in 42; 2, Dartford; 137: 2, Watford; and 187: 2, Epping sub-districts.

TABLE 7. - GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS). - DEATHS AD Rate of MORTALITY during the week ending Saturday, 16th December, 1899.

				L RATE			The D	EATH	8 reg	istere	d in t	he We	ek in	clude	
GREATER	Area ·	Population estimated		TALITY 0 living.	DEATHS	Dea	ths of				Deat	hs fro	m		
LONDON.	in Acres,	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles,	Scarlet Fever,	Diphtheria,	Whooping-	Fever.	Diarrhosa.	William outsideline continue
Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	1.
GREATER LONDON	443,421	6,528,434	21.4	1.9	2680	583	784	1	63	14	73	44	22	16	9:
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	23.8 15.8	2·1 1·3	2078 602	427 156	608 176	1 -	57 6	9 5	55 18	36	13 9	14 2	8

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692°845 square miles, which is equivalente area of a circle having a radius of 14°851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN

			and	in certain	FOREIG	N CITIES.						
							DE	ATHS		M PRI	NCIPA	L ZY
CITIES.	POPULATION (enumerated or estimated).	of Ri	TE TURN. ending	BIRTHS,	DEATHS.	ANNUAL DEATH- RATE per 1000 living.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.
EDINBURGH - GLASGOW	298,927 733,903	Dec.	16 16	148 490	99 312	17:3 22:2	-	- 14	3	- 2	1 9	2
DUBLIN	349,594	99	16	167	256	38.2	-	23	1	. 2	3	2
CALCUTTA	466,460	Oct.	21	_	294	32.8	-	-	-	1	`-	96†
BOMBAY	821,764	Nov.	21	313	844	53.4	7	10	2	. ?	. 3	215†
MADRAS	452,518	22	17	385	355	40.7	-	^ 2	?	?	₽.	75
PARIS	2,511,629	Dec.	9	1129	887	18.3	- 1	1	4	7*	3	9
BRUSSELS	661,130	99	9	260	175	16.2	-	-	1	3*	-	2'
AMSTERDAM -	517,595	12	2	267	136	13.6	_	-	-	_	-	3
ROTTERDAM -	315,305	13	2	196	103	16.8	-	1	1	2	-	5
THE HAGUE -	199,285	99	2	101	36	9.3	-	-		-	- 1	-
COPENHAGEN -	349,000	**	9	198	111	16.6	-	-	2	2	3	1
STOCKHOLM -	291,580	59	2	145	94	16.8		-		7*	-	- 1
CHRISTIANIA -	221,255	31	9	132	50	11.8		1	1	1		-
ST. PETERSBURG	1,132,677	. 99	2	651	566	26.1	_	22	25	33	7	11
Moscow	988,610	11	2	-	510	26.9		2	8	14	2	5
BERLIN	1,818,517	Nov.	25	860	583	16.5	-1	7	18	18	3	1
HAMBURG	675,351	Dec.	9	-	192	14.8		1	2	2*	2	-
DRESDEN	397,300	Nov.	25	- *	125	16.3		2	2	1*	3	-
BRESLAU	406,012	Dec.	9	-	162	20.8	-	4	1	5	-	-
MUNICH	445,000	**	9	-	202	23.8	-	-	-	3*	1	-
VIENNA	1,623,134	33	.2	840	540	17.1	-	14	4	. 9*	1	3
PRAGUE	384,622	22	2	177	150	20.2	-	1	5	1	4	5
BUDA-PESTH -	666,722	93	2	457	249	19'4	-	4	8	2	1	1
TRIESTE	166,599	Nov.	25	132	91	28:3	end	1	2	4*	1	2
ROME	508,779	9.7	18	214	162	16.6	_		. 1	2	-	6§
TURIN (10 days)	344,203	Oct.	20	191	147	15.6	-		-	-		6
VENICE	172,288	Nov.	25	83	. 88	26.6	-	-	-	8*	-	3
CAIRO	570,062	92	11	431	327	29.8	_	-	1	4*	-	3
ALEXANDRIA -	319,766	99	11	254	156	25.4	~	-	-	1*		2
NEW YORK (including BROOKLYN)	3,550,053	. 39	11	1522	1095	16.1	-	10	6	37	5	17
PHILADELPHIA -	1,266,832	Dec.	2	- 1.	-	±'	-		-	-	- 1	-

Including deaths from croup.
Including 26 deaths from plague in Calcutta, and 110 in Bombay.
Including 9 deaths from cholera in Calcutta, and 2 in Bombay.
Including 4 deaths from malarial fever.

		_																						
Ozone.				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2	28		68;	din	ons the	um Phe ean	les. ons	nd,	te;	ont,	e <b>k</b> me	M.
		Ground.	in,	00.0	0.03	0.05	0.01	0.00	0.00	0.00	Sum	0.02	-25		ofthes	e wet b	correctiventy yes	minim nn 8). T n the m	ical Tab servatic movem ng 1875.	igher," a	ctromet	astrume	the we	oy 9h, P
,s,u	Depar- ture from Average	16 Years.	Miles.	- 206	-161	-138	69 -	-107	-234	-144	Sum	-1059	24		an level	P.M. Tr	tion or g gthe tw iding 18 1b therr	ir (colur	grometri of theor izontal arsendi	ates" hi	ing Ele k; m.	shineIr	nning of P.M. on	9.84 in. b
Robinse	Horizontal Movement of the Air	Day.	Miles.	100	146	169	239	201	201	165	Sum	2601	23	nidnight.	ve the mer	.,and 9n.	e applica ade durin years er e dry bu	reof thea	sher's Hygiscussion at of hor the 16 year	at + indic	f-register w. wea	tokesSun	the begin n. by 9h.	eased to 2
t,	1 B	ops.	lbs.	0.0	0.0	0.0	1.0	0.1	0.0	0.0	:	:	222	httor	stabor duce to	therr	rds ms wenty of th	of the perature midity	y Glar om ad and th	nd the	n's sel	bell-S	in. at 29.69 i	; incr
Pressure on the Square Foot,	Least,		lbs.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	:	1	21	aidnig	159 fe	dlud	raines the trading	f temp	ivedfr g 1890, crecon	in mi edfort	nomso T. neg	Camp	n 30.08	ne 13th
Press	Great-		lbs.	1.0	1.0	1.0	1.7	111	1.0	4.T	:		20	rom m	eteris	A.M.; L	raphic uring ean re	reaur alue o degree	rmome latder ending	borne	rom Ti	m the	ed fron	t on the
General Direction.	p.M.		0		N. NE.		SE. & ESE.	R, NNW.	SW, calm & variable.	& ESE.	Variable	0.5	16	The results apply to the civil day, or from midnight to midnight.	Le neight of the cistern of the barometer is 159 feet above the mean level of the sea; correction has been applied to the readings to reduce to sea level.  Observations are usually taken at the readings to reduce to sea level.	the eye-readings of the barometer, the dry bulb thermometer, and the wet bilb thermometer, and into wet bilb thermometer, and the wet bilb thermometer, and the wet bilb the momentary of the barometer and the wet bilb the bilb th	deduced from a discussion of the photographic records made during the twenty years the ambiguation of corrections ending 1873 for the barometer, and during the twenty years ending 1868 for the chamometers. With the corrected mean reading of the dry bulb thermometer is	thermometers, controved mesh of the readings of the maximum and minimum mean daily dow point temperature of the air (column 8). The mean daily values of the maximum temperature and degree of humidity are deduced from the mean daily values of the day and wet hath the areas of the day are deduced from the mean.	The average temperature of the air state derived from a discussion of the observations made at Green wich during the 50 years ending 1880, and that of horizontal movement of the air from a discussion of the angent of the air from a discussion of the angent of the air from a discussion of the angent of the surface of a size of the angent of the same of the surface of the same	-"Towards continued as and 24:14 will be borne in mind that + indicates" higher, and The Valueogytven in column 17 arenot corrected for the index error of the thermometer, which cannot be determined.	"The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negative; w. weak; m. moderate: 8. strong; and v. variahle.	The numbers in contained. The numbers in containing 23, derived from the Campbell-Stokes Sunshine Instrument, show the aggregated duration of bright smachine on each document.	The reading of the barometer decreased from 30'08 in. at the beginning of the week 29'01 in. by 60, AM, on the 18th; increased to 29'69 in. by 90, P.M. on the Same	day; decreased to 2932 in. by midnight on the 13th; increased to 2984 in. by 9h, P.M. on the 15th; and decreased to 2973 in. by the end of the week,
General	A.M.		COT TOD	SEE, ESE.	NNW. & N.	SE. & ESE.			4. E		Vari	or I	TO	oply to the c	the cistern of as been apply are usually	gs of the br	discussion of the barom	orming the	inperature vich during	- "lower," than the average.  The valuesgiven in column I which cannot be determined	Electricity mployed are variable.	n column 28	f the barom	decreased t
Earth 3 feet	below the Surface.		47.17	46.50	46.50	45 00 00 GF	02.95	44.66	44.08		45.59	17	7	esults ar	etion he	-reading	from a 1873 for neters.	neters, fully dew	eragete Greenv Irfrom	r,"than	cord of nbols er	imbersi	ading o	th; and
	Lowest on the Grass.		23.2	16.2	50.6	18:0	100	10.7	19.2		0.61	16	77	The re	no corre Obser	the eye-	leduced ending thermor	hermon mean da daily va	Theav made at of the ai	- "lower The ve	The re	The nu	The re	on the If
	Highest In Sun's Rays.		72.3	40.5	39.0	0.19	0.10	48.8 20.0	2.02		0.09	15												
(Satu-			69	88	81	i ic	20 02	00	90 00		73	14			d par	fterw.	ning. gloom ell betw l hoar f		; fine Solar at	, v ii	eat gl	fros	eloud	
	Least.		9.9	3.3	2.7	4.00	2.0	0 %	0.0		4.3	13		ARKS	ne an	east a	reveni nal g now fe	t snow	morning; fin wards. Solar observed at	evening; prevalent	y. Gr	hoar	afterwards; cloudless, ht.	
	Great- est,		10.5	6.9	000	18.0	12.9	5.7	7.8		10.1	12		REM	ing; fl	over	nalo in recasio rds. S	slight	v in m		; fogg	fog and hoar frost in	afterw dat.	
	Mean daily value.		0.00	4.5	5.1	13.6	11.9	3.4	5.4	1	2.2			GENERAL REMARKS	in morning; fine and partially	ening;	lunar rith o fterwa f. Lur	equent	th snov dy af arhelic	ovening illy til	rereast	n fog	at nig	
	Mean daily value, v		23.9	23.8	25.4	15.3	17.2	23.3	27.7		22.4	10 -		GEN	ast in	ght sn	oar frost and lunar halo in eve Overcast, with occasional I. P.M.; fine afterwards. Snow. I. and 7h. A.M. Lunar halo an	ast; fr	Overcast, with snow in morning; fine and ritially cloudy afterwards. Solar halo ith faint parhelion observed at noon.	generally rads. Low	Generally overcast; foggy. Great gloom evadent till evening. Hoar frost, Very	y, with	i rest	
	from Average of 50 years.		- 7:1	-11.5	- 9.4	-11:2	-11.1	-13.6	1.2 -		-10.1	6			Overcast	cloudy till evening; overcast afterwards, with slight snow shower at 10h. 30m. P.M.	Hoar frost and lunar halo in evening.  4h. P.M. Inte afterwards. Snow fell between  6h. and 7h. A.M. Lunar halo and hoar frost	in evening. Overcast; frequent slight snow.	Overcast, with snow in morning partially cloudy afterwards, with faint parhelion observe	Lunar halo in evening. Fine generally till afterwards. Low fog	morning. Generally ov prevalent till	Cloudy,	morning; very nne aff with hoar frost at night,	
	Mean daily value.	-	32.8	28.3	30.2	28.9	29.1	26.7	33.1		6.65	000	above	Horizon, in hours.	6.2		6.2	8.2	8.2	8.1	8-1-	8.2	Sum 54.8	29
	Daily Range.	C	8.9	6.8	9.01	8.2	0.6	8.1	22.5		2.01	7	red Sur	Sunshine Horizon, in hours, in hours,										
-	Low- est	0	59.8	23.7	23.8	24.3	23.0	21.9	19:3		23.7	9	Register	Sunshi in hour	3.0		0.0	0.0	2.0	1.5	000	2.2	Sum 7.4	28
	High-	0		32.6	34.4	32.1	32.0	30.0	41.8		34.2	2	-		ing;		ally;	A.M.;	y till till ofter-	at -	ally;	A.M.;	D	
rected	duced to 32° Fahren-	r.	29.947	29.920	29.629	29.401	29-473	29.789	29-742		29.704	4	TRICITY	(For explanation of symbols, see Note.)	m. P. till evening; P. afterwards.	West	generalight; n	il 2h. 1 erally 3	i m. F. s. P. s	ongho	genera	il 6h. A	wards.	27
Moon.			•	:	:		:	:	Greatest Dec. N.		1	3	ELEC	(For exp.	m. P. ti		m. P. generally s. P. at night; m. N at 6h. A.M.	s. P. til w.P. gen wards.	w. P. generally till lih. A.M.; m. P. till 6h. P.M.; s. P. afterwards.	s. P. throughout	s. P. generally m. P. in afternoon.	s. P. till 6h. A.M. m. P. till evening	s. P. after	
MD		gR.	- 10	- 11	- 113	Y 13	- 14	- 15	16		1	nu -		R.	- 10		I	12	13	- 17	15	- 16		,
MONTH AND	DAY	DECEMBER		MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANO	LEAINS	No. of Column	DATE.	DECEMBER.	SUNDAY -		Monday -	TUESDAY -	Wednesday	THURSDAY-	FRIDAY -	SATURDAY-		No. of Col
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1899.

### OFFICIAL COPY.

#### WEEKLY RETURN

#### BIRTHS AND DEATHS LONDON IN

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

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> General Register Office, Somerset House, December~27th,~1899.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 27.5 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of this year. The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	2.11	Weeks	endin	g		. '		Weeks	endin	g
Towns.	Dec.	Dec. 9,	Dec. 16.	Dec. 23.	-	Towns.	Dec. 2.	Dec. 9.	Dec. 16.	Dec. 23.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Bristol - Burnley -	16·3 19·1 14·3 15·4 16·8 22·9 18·0	16·8 16·9 20·8 18·0 19·9 21·6 19·5	$\begin{array}{c} 14.0 \\ 22.6 \\ 17.0 \\ 16.7 \\ 20.5 \end{array}$	19·7 23·1 21·0 35·1 25·5		Leicester - Liverpool - London Manchester - Newcastle-on-Tyne Norwich - Nottingham - Oldham - Plymouth -	23.8 19.4 18.5 19.6 14.7 16.1 18.7	22:4 20:8 21:0 10:4 14:4	26·5 23·8 18·8 19·4 16·6 19·4 19·4	1000
Cardiff Croydon - Derby Gateshead - Halifax - Huddersfield-Hull - Leeds	11·4 15·7 15·2 20·8 13·6	13·1 21·1 21·5 21·3	16·1 17·6 9·6		A DESCRIPTION OF THE PROPERTY	Portsmouth	16.9 19.9 21.3 21.8 17.5 15.1 16.7	23·0 25·3 21·7 19·9 17·5 20·1	30·3 25·7 23·4 21·4 20·1 24·6 15·8	42·4 36·4 26·8 23·0 29·4 36·7 20·7 35·2

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Derby and in Liverpool, 1.1 in Cardiff, in Halifax, and in Bradford, 1.3 in Sheffield, 1.7 in Salford, 2.3 in Birkenhead, 2.4 in Hull, and 4.9 in Preston; from whooping-cough, 1.0 in Leeds and in Gateshead, 1.2 in Salford, 1.3 in Bolton, 1.7 in Leicester, and 1.8 in Liverpool; from "fever," 1.1 in Portsmouth and in Nottingham, and 1.3 in Preston; and from diarrhaa, 1.4 in Burnley. In none of the thirty-three towns did the death-rate from scarlet fever reach 10 per 1000. The 122 deaths from diphtheria included 54 in London, 15 in Sheffield, 8 in Leeds, 5 in West Ham, 5 in Portsmouth, 4 in Cardiff, 4 in Manchester, 4 in Birmingham, 4 in Blackburn, 3 in Brighton, 3 in Swansea, 3 in Leicester, and 3 in Bradford. Eight deaths from small-pox were registered in Hull, but not one in any other of the thirty-three towns.

### LONDON.

In LONDON† 2585 BIRTHS and 2607 DEATHS were registered. Allowing for increase of population, the births were 151, and the deaths 816,

<sup>•</sup> By "estimated" population is meant merely the number of persons who would be living if the mean rate of increase in the last intercensal period had since been maintained.

† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of persons not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong

above the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 19.4, 22.4, and 23.8 in the preceding three weeks, further rose last week to 29.9. During the four weeks ending on Saturday last the death-rate averaged 23.9 per 1000, being 3.7 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 2607 deaths included 58 from measles, 11 from scarlet fever, 54 from diphtheria, 31 from whooping-cough, 36 from enteric fever, 12 from diarrhoa and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 202 deaths were referred to these diseases, being 9 below the corrected average weekly

number.

The deaths from measles, which had been 43, 59, and 57 in the preceding three weeks, were 58 last week, the corrected average being 64; 6 cases belonged to Fulham, 6 to Battersea, 5 to Lambeth, 5 to Wandsworth, and 5 to Greenwich sanitary areas. The deaths from scarlet fever, which had been 8, 15, and 9 in the preceding three weeks, rose again last week to 11, but were 9 below the corrected average. The deaths from dinhtheria. which had been 52, 43, and 55 in the preceding three weeks, were 54 last week, the corrected average being 48; 7 cases belonged to Camberwell, 5 to Lambeth, 4 to Mile End Old Town, 3 to Shoreditch, 3 to Bethnal Green, 3 to Rotherhithe, and 3 to Lewisham sanitary areas. The deaths from whooping-cough, which had been 15, 20, and 36 in the preceding three weeks, fell again last week to 31, and were 17 below the corrected average; 5 cases belonged to Poplar and 4 to Bethnal Green sanitary areas. The fatal cases of *enteric fever*, which had been 26, 29, and 13 in the preceding three weeks, rose again last week to 36, and were 20 above the corrected average; 3 cases belonged to Islington, 3 to Hackney, 3 to Newington, and 3 to Wandsworth sanitary areas. The deaths from diarrhæa, which had been 7, 14, and 14 in the preceding three weeks, fell again last week to 12, and were 2 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 430, 548, and 646 in the preceding three weeks, further rose last week to 968, and were 506 above the corrected average. The deaths attributed directly to influenza numbered 69, having been 17, 42, and 38 in the preceding three

Different forms of violence caused 107 deaths, concerning all but 3 of which inquests were held. Of these 107 deaths, 12 were cases of suicide, and 1 of homicide, while the remaining 94 were attributed to accident or negligence. Eight of these were referred to vehicles in the streets, 3 to conflagrations, 14 others to burns and sealds, and 23 (including 22 of infants under one year of age), to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 5 cases of small-pox, 2916 of scarlet fever, 1701 of diphtheria, and 420 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 209 cases, against 294, 277, and 180; of diphtheria, 187 cases, against 212, 237, and 218; and of enteric fever, 49 cases, against 69, 65, and 50.

GREATER LONDON.

In Greater London 3707 births and 3401 deaths were registered, corresponding to annual rates of 29.6 and 27.2 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 5 from scarlet fever, 21 from diphtheria, 3 from whooping-cough, and 10 from "fever," were registered. Thirteen deaths from diphtheria and 7 from "fever" occurred in West Ham District.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 20°97 inches, and that of the Thermometer 34°.7; the latter being 4°.5 below the week's average in the 50 years 1811-90. The direction of the wind was variable, the horizontal movement of the air being 53 per cent, below the week's average in the 16 years 1860-75. The duration of registered bright sunshine in the week was 0°7 hours; the measured rainfall amounted to 0°03 of an iach.

<sup>\*</sup>The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of eases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

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CHIES	and Bóroughe,	Cols.	33 TOWNS.	TOWDON	WEST HAM	CROYDON.	BRIGHTON	PORTSMOUTH.	Рахморти.	BRISTOL.	CARDIFF.	SWANSEA.	WOLVERHAMPTON.	BIRVINGHAM	NORWICH.	LEIOESTER.	Northwellam.	DERBY.	BIRKENHEAD:	LIVERPOOL.	BULTOM.	MANCHESTER.	SALFORD.	OLDHAM.	BURNEEY.	PRESTON.	HUDDERSHIELD.	HALIFAX.+	BRADFORD.†	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	GATESHEAD.	NEWCASTLE.
-	In Centi- metres.	24.	0.46	0.30	1	0.08	0.23	1	1	1	ı	1	18.0	1	0.18	1	0.41	1	1	£1.0	1	1	1	1	1	- 1	10.0	1	0.01	1	1	0.84	ž	1	1
	In Inches,	23,	0.18	0.08	1	0.03	60.0		1	1	1	1	0.33	f	10.0	1	0.16	1	1	62.0	ı	1	1	ı	1 [	1	0.50	1	0.34	ı	1	0.33	ı	1	1
. 774	Centigrade.	22.2	1.50	1.50	2 1	0.83	2.87	1	1	ı	1	1	0.33	1	2.06	1	77-1	1	1	1.01	1	1	1	1	1 1	1	0.72	1	2.11	1	!	1.61	ı	1	'
9.70	Tahrenheit.	21.	34.7	21.7	1 1	33.5	36.8	1	1	ı	1	į	32.6	i	35.7	1	34.0	1	1	35.5	1	ŧ	1	ı	( )	ı	33.3	1	35.8	1	ı	84.9	1	1	1
ŝ.	Highes Fahrenheit.	20.	21.4	0.F6	1 1	22.0	27.2		1	1	1	1	22.1	1	21.4	1	27.4	ı	ı	28.5	1	1	ı	1	1 1	ı	28.3	1	29.0	1	1	28.0	1	1	1
.45	Fahre Highes	19.	48.2	41.0	1 1	38.0	48.2	1	1	ı	1	1	38.5	1	0.15	1	38.8	1	1	44.3	1	1	1	ě	1 1	1	37.3	1	9.07	1	1	40.0	1	1	1
Dearns.	From Diseases in Cols. 6-12.	18.	5.6	9.3	0 00	200	1.7	4.1.4	1.0	1.6	10.1	0.7	1:0	00	1.8	3.7	5.6	C.T	2.3	\$0 00	3.5	<u>e</u> 1	43	- C	0 7	1.2	1.2	2.1	3.1	2.2	4.3	5.3		0.70	7.7
N SOR B	From All Causes,	17.	27.5	99:0	20.4	22.9	35.1	<b>季</b> 等	98.9	25.5	24.4	2.98	35.2	28.6	22.1	7.77	25.3	20.1	22.6	33.8	23.1	0.86	29.5	21.8	19.7	36.4	17.6	23.5	21.0	18.6	23-0	23:1	# 67 67	0.72	Z4.2
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	esaO tasupal	14.	539	263	17	6.3	9	13	4	12	10	4	9	19	5	£~	00	0	00	26	14	23	13	10 I	0 0	1 00	c/1	П	4	16	6	18	က	1 1	~
	Violence,	13.	250	107		7	ಣ	9	1	©1	2	C.3	62	13		ଦୀ	ເລ	ा	4	50	10	15	41 0	73 G	4 -	1 07		1	-	4	00	10	0	1	4
	Diarrhosa,	13.	455	13	1	1	1	7	Н	ಣ	ı	1	p=4	00	1	Н	C/I	1	1	4		က	C7 F	٦ ،	ا د	1	Н	T		1	_	~ 1	-	1 "	1
	Fever,	11.	83	36	10	1	red	4	1	1	1	1	1	2	1	-	10	~	ı	60	ा	es i	ന	1	1 -	1 20	1	_	7	1	কা	1 4	י די		-
	Whooping-	10.	111	31	ଦୀ		1	20	1	ı	ı	1	-	0	ହା	179	1	ı	1	22	4	ເດເ	သ ဒ	17	1	1	,	1	ı	00	6/1	ଦୀ	1 9	27 0	74
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	Small-pox.	6.	00	1	1	1	1	1	1	(	ŧ	1	1	1	1	1	1	1	1	1	1	1	1	1	1 1	1	1	1	1	I	1	00	1	1	_
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19	Infants undo 1 Year of Age.	4.	60 63 64	429	95	9	∞	24	12	33	23	13	18	62	13	30	24	0	97	08	16	49	98 2	12	77	133	1-	6	16	32	53	33	07	2 5	G .
	Вівтня, Веатне,	က်	6016	2607	119	99	88	155	75	157	87	73	09	282	48	1000	116	41	20	412	75	248	211	53	7 16	83	35	44	65	154	159	104	50 9	100	ant
	Вівтин.	2.5	6784	2585	192	19	99	103	73	202	113	92	64	331	64	139	134	67	69	401	87	- CO	144	100	7 7	20	59	35	96	F02	251	160	501	2 2	7/1
to the	middle of the Year 1899.*	1.	11,404,408	4,546,752	157,008	127,759	123,226	190,741	100,637	320,911	185,826	103,722	88,821	514,956	113,266	213,851	239,384	106,401	115,162	634,212	162,221	543,902	218.241	23.7.0cT	190,611	117,622	103,464	97.721	238,241						029,822
		Cols.	1	1	1	1	Ł	2	1	3	F	1	TON	1	E-	7	1	1	1	1	1	1	1		\$ 1	3	Q	1	1	1	1	1			
. u.v.v	BOROUGÉS,	0	33 TOWNS	LONDON -	WEST HAM -	CROYDON -	BRIGHTON -	PORTSMOUTH	PLYMOUTH -	BRISTOL -	CARDIFF -	SWANSEA -	WOLVERHAMPTON	BIRMINGHAM	NORWICH -	LEICESTER -	NOTTINGHAM	DERBY	BIRKENHEAD	LIVERPOOL -	Borrow	MANCHESTER	SALFORD -	OLDHAM -	BLACKBIRN-	PRESTON -	HUDDERSFIELD	HALIFAX† -	BRADFORD† -	LEEDS	SHEFFIELD -	HULL -	SUNDERLAND	GATESHEAD -	NEWCASTLE -
		-	-	-	APPEND	-		Total Service		-	*****		-	-	STREET, SQUARE,	COLUMN TO SERVICE	-			A 4500				_											

TABLE 2. LONDON.-Births and Deaths Registered in the FIFTY-FIRST Week of each of the Eleven Years, 1889-99.

	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	Corrected Weekly Average in 10 Years 1889-98.*	1899
TOTAL Births	2513	2202	1462	2423	2378	2703	2401	2522	2108	2422	2433.8	.2585
Males	1267	1142	750	1221	1217	1395	1213	1283	1059	1232	1239.5	1343
	1246	1060	712	1202	1161	1303	1188	1237	1047	1190	1194.3	1237
TOTAL Deaths - Males Females	1816	2303	1771	1606	2170	1448	1521	1459	1555	1470	1790 9	2607
	909	1059	911	783	1039	726	794	719	764	774	895*4	1304
	907	1147	830	820	1101	722	727	740	791	698	895*5	1303

The numbers in this column are the average weekly numbers in the fifty-first week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SICKNESS

	in Ho	SPITA	LS, 11	the J	Last T	HIRT	EEN \	V EEK	S	:			1 .
CETHERON CO.	Sept.	Oct.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Nov.	Nov. 18.	Nov. 25.	Dec.	Dec.	Dec. 16.	Dec. 23.
Tetal Births	2399	2540	2549	2529	2495	2613	2711	2674	2556	2439	2339	2269	2585
TOTAL Deaths	1456	1564	1637	1567	1844	1626	1506	1528	1526	1695	1957	2078	2607
$\begin{array}{c} \text{Ages at} & \begin{pmatrix} \text{Under 1 year } & - \\ 1-5 \text{ years } & - \\ -5-20 & \cdot \cdot & - \\ 20-40 & \cdot \cdot & - \\ 40-60 & \cdot \cdot & - \\ 60-30 & \cdot \cdot & - \\ 80 \text{ years and upwards} \\ \end{array}$	379 159 80 173 330 280 55	359 172 86 219 339 316 73	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 363 339 83	334 215 116 218 280 274 69	355 180 93 214 318 300 68	331 226 94 193 305 312 65	388 209 74 227 351 349 97	406 247 117 225 405 446 111	427 251 110 256 426 476 132	429 272 105 303 551 744 203
Deaths from— Small pox	15 9 44 23 - 19 - 81	21 7 55 10 - 19 - 53 2	20 9 56 10 21 49	26 6 6 6 6 - 15 - 25	34 14 59 10 - 40 - 17	33 7 39 14 - 29 - 22	42 14 68 11 51	29 6 56 9 - 55 - 20	- 44 13 43 16 - 29 - 10	43 8 52 15 26 -	59 15 43 20 - 29 - 14	1 57 9 55 36 - 13	58 11 54 31 - 36 -
All the above Diseases	193	167	165	138	175	145	199	175	155	151	180	185	202
Dis. of Respiratory System - Phthisis - Dis. of Circulatory System - Violence - Inquest Cases - Deaths in Public Institutions -	156 157 124 57 135 481	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 123 54 122 507	325 133 107 75 144 509	324 141 148 57 134 494	350 153 141 61 154 485	430 177 143 66 155 532	548 190 165 76 188 603	646 225 172 81 203 578	968 208 278 107 263 700
TEMPER/.TURE OF THE AIR.  Mean	52·1 61·0 45·5	49.3 56.6 42.6	47.3 58.9 36.2	47·4 56·6 39·4	51.8 57.4 45.9	53·2 59·1 47·1	50.9 56.2 45.4	45.9 51.3 39.9	45.5 49.0 40.6	45·3 50·5 '39·4	41.9 46.6 37.9	29.9 34.2 23.7	34·7 38·5 30·3
Humidity of the Air	76	86	82	82	90	83	78	84	80	82	87	73	92
Rain-fall(in inches)	1.01	0.20	0.12	0.00	1.30	1.81	2.33	0.00	0.00	0.29	0.46	0.02	0.08
Registered Sunshine (in hours)	32.5	12.2	38.9	43.3	7.8	22.5	20.9	8.4	0.0	8.2	10.0 }	7.4	0.7
CASES OF INFECT	IOUS S	CKN	ESS IN	Hosp	ITALS	* AT I	HE EI	ID OF	EACH	WEE	к.		
Scarlet Fever Diphtheria	2836 1487 252	3003 1519 275	3217 1595 308	3408 1659 331	3504 1700 342	3539 1715 407	3564 1692 426	3578 1736 443	3503 1761 448	3445 1735 461	$\begin{bmatrix} 1\\3290\\1730\\460 \end{bmatrix}$	3084 1720 452	5 2916 1701 420

<sup>\*</sup> The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON.—DEATHS Registered at several groups of AGES from different CAUSES in the TABLE 4. FIFTY-FIRST Week of the Year 1899.

				T. T	ET.	r - T	T T#8	) T	1 66.	k of the fear 1899.								
	years	Sat	In t	he V	Weel rd D	ecen	ling	1899			r the years	Sa	In turd	the ay, 2	Wee 3rd I	k en )ecei	ding	1899.
	ges for the 10 8*.		Dea		of Pe	ersor	18 01	Ē			ges for the 10 8*.		De		of P he A		ns of	
CAUSES OF DEATH	Averages sk of the 1889-98*.	18.	Uı	nder		der 40.	der 60.	der 80.	and	CAUSES OF DEATH	ed Averages eek of the 1889-98*,	02	T	nder 20,		der 40.	der 60.	under 80.
	Corrected 51st Week	ALL AGES	0-1	1-5.	5-20.	20 and under 40	40 and under 60,	60 and under 80.	80 years a upwards.	, , ,	Corrected 51st Week	ALL AGES.	0-I.	1-5,	5-20.	20 and under 40	40 and under 60	60 and un
CAUSES	1790.9	2607	429	272	105	303	551	744	203	Diseases of Circulatory System	<b>1</b> 55•0	278	-	-	15	34	85	116
all- {Vaccinated   - Unvaccinated   No Statement   sles     -	0·1 0·1 64·3 20·1 0·2	- - 58 11	- 12 1	40 9	- - 6 1	111111	111111	111111	111111	Croup	6*3 276*7 133*4 16*8 39*1	1 626 268 10 63	95 63 - 6	58 1		19 30 - 3	- 119 55 5 16	278 44 4 29
apsing Fever uenza - ooping-cough htheria ple Continued and l-defined Fever - lera and Chol. Diarr. rrhea, Dysontery attent Fever - ittent Fever -	25.6 48.1 48.4 - 15.6 13.9	69 31 54 - 36 - 12 -	1 12 6 - 6 -	1 16 34 - 1 - 1	2 37 - 6 - -	13 - 3 - 22 - 1 -	13 - - 7 - 2 -	31	8 2 -	Dentition Quinsy, Sore Throat	$\begin{array}{c c} 10.3 & 1.7 \\ 11.9 & 6.0 \\ 22.5 & \\ 29.7 & \end{array}$	6 - 8 8 13 30 31	4 -1 1 7 2 2 7	11111	- - 1 1	- 2 - 6 7 4	- 3 - 2 12 7	- 2 1 2 9 9
rophobia	0·1 8·0 8·8	7 8 2	- - 7	- 1		-	- 3	- 3	1	Diseases of Lymphatic System & of Ductless Glands	2:3	4	-	-	-	2	2	-
emia and Septicæmia rperal Fever – - ler Zymotic Diseases	2·0 5·6 1·4	2 4 -	2 - -	1 1 1	-	-4 -	-	111		Diseases of Urinary System	47.7	56	-	-	1	5	22 —-	25
ush	0.5 0.4	-	-	-	-		-	-	-	Diseases of Generative System Accidents of Childbirth-	6.0	5 4	1	-	-	4	3	1
rvation, Want of	1:3	1	 1			7		_		Diseases of Locomotive } System }	5.1	1	_	1		-	-	-
reast-milk } oholism	9.2	19	-	-	-	4	9	6	_	Diseases of Integumen- tary System-	6-7	8	-	1	_	1	3	2
eumatic Fever, beumatism of Heart } eumatism teles kets bees Mesenterica bercular Meningitis - thisis ofula, Tuberculosis - ber Constitutional bliseases	9.5 2.4 3.7 4.7 64.5 14.6 17.8 176.1 16.6 14.0	16 4 2 4 70 17 14 208 14 24	7 2 2 4 1		1	2	21 - 81 1	-	1 - 2	VIOLENT DEATHS.:  (ACCIDENT.)  By Railways By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) In Building Operations - In Conflagrations - By Burns, Scalds, Explosions	63.7	48 - 13 14		- - 1 10	1 - 2 2	1	1 3 -	2
emature Birth electasis	48.5 4.0 7.8 58.5	55 7 13 75	55 7 11	-   -   -	1 -	-	- - 1	- - 25	- - 49	By Drowning By Suffocation in Bed - By Poisons or Poisonous Vapours Other or not stated causes		3 23 2 36	22	1 1	-	2 1 7	1 6	-
oplexy	46·1 6·5 38·5 82·0	57 6 35 95	34	111111111111111111111111111111111111111	-	14	16 5	1	10 - 4	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Ezecution	2.0	122	111		1 1 -	3 -	-6	- 2
seases of Organs of becial Sense -	4.4	4	51		L -	-	1	-	-	OTHER CAUSES	50.5	48	4:	2 1	-	1	-	3
The numbers in this	olama o	no th	0.077	0710	OLO .	WAA	lr ly	de	the	for the ten years 1889-98, ra	nised by	5.213	per	cer	t. fe	or in	iere	ase

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent, for increase population.

Only those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered clical men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the use of death is not certified by a registered practitioner, the case is returned under the heading "no statement."

The evidence at inquests is often insufficient to enable the Coronor to certify whether a violent death be the result of cident, murder, manslaughter or suicide. All such causes are classed under "accident."

TABLE 5. LONDON.\*—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME. SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER DIARRHEBA, VIOLENCE, &c., registered in

SUB-DISTRICT during the W	eek endir	ig Sat	urday	, 2/3	ra 1	ece			-								
				-			Th	DEA	THE	egiste	ered d	luring	the V	7eek	inolu	de	
	Enume-		1	De	athso	f				Deat	hs fr	om.					- thi
REGISTRATION SUB-DISTRICTS.	rated Population, 1896.	Total BIRTHS.	Total DEATES.	Infants under 1 Year	Persons aged 60 Years	Snall-pox.	Messles.	Scarlet Fever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhold) Fever.	Simple Continued Fever.	Diarrhos.	Violence.	Inquest Cases.	Dasthein DuhlieInseilen
LONDON -	4,411,710	2,585	2,607	429	947	_	58	11	54	31	_	36		12	107	263	700
WEST DISTRICTS NORTH DISTRICTS CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE REGISTRATION LONDON*	778,251 1,040,694 233,635 716,334 1,642,796	349 548 148 519 1,021	468 560 135 418 977 49	78 80 22 68 181	171 237 41 138 341 19		11 5 3 5 34 -	1 1 5 3	3 12 - 6 33 -	3 7 3 13 5 -		3 13 3 3 14		2 2 2 6 -	22 25 7 24 28 1	49 60 15 57 81	126 138 47 117 223 49
WEST DISTRICTS.  St. Mary Paddington G. & W. WHH St. John Paddington H G.	90,996 33,510	39 8	51 13	10	27 2			-	-	-		-	-	1-1	5 2	5 <b>4</b>	12 8
Kensington Town Ww W. Brompton HH W. & C.	122,164 48,301	52 7	96 18	16 1	37	-	2 -	-	-	-		-	-	-	4	13	33 4
North Hammersmith $\dagger H$ South Hammersmith $\dagger H$ W. & G Fulham $Ww = - W$ . & C.	44,638 59,561 113,781	30 35 86	18 27 80	3 8 19	7 9 16		1 6	- 1	- 3	- 1		1 1	-	- - 1	1 - 3	2 3 5	- 6 17
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH - C.	21,450 42,057 33,139	14 19 11	5 25 25	4 4 3	1 11 12		-	-				ī	1.1.1	1	2 -	1 2 1	11 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,827 56,140 31,492 22,097	$egin{array}{c} 4 \\ 12 \\ 22 \\ 4 \\ \end{array}$	22 46 19 8	- 4 5 -	14 10 6 3	1 1 1 1	1		1111	1 1 -	1 1 1 1				1511	20021	15 12 -
	23,050 12,048	2 4	7 8	1	4	-	1.1		-	-	-	1 1	-		-	-	1 2
NORTH DISTRICTS.  All Souls Marylebone } - W.  Rectory Marylebone W G. & W.  St. Mary Marylebone } G. & W.  Christchurch Marylebone H - W.  St. John Marylebone HHH - W.	36,595 19,798 19,637 32,547 32,611	14 8 24 12 17	34 8 10 7 17	1 - 2 1 1	17 5 5 1	1 1 1 1	1	1 1 1 1				1		1 1 1 1	2 1 -	5 1 2	13 1
Hampstead WwHHHH } - N. & W.	75,449	31	25	1	11	_	_	_	3	_	_	1			1	3	7
Regent's Park Pancras $HH$ - W. Tottenham-court $\}$ - N.&W. Gray's Inn Lane $HHHH$ - N. Somers Town $HH$ N. Camden Town $WH$ N. Kentish Town $WW$ - N.	37,341 26,757 29,426 32,161 16,669 98,410	17 10 8 13 10 46	19 26 27 18 21 53	2 3 3 - 2 14	11 10 8 9 13 22		1	1 1 1 1 1 1	2 - 1	1		1 2 1 -		1 1 1 1 1	- 1 5 1 1	4 4 8 1 2 2	- 12 9 2 14 5
$ \left. \begin{array}{c} \text{Upper Holloway} \\ WWWWwHH} \\ \text{Is lington South-west} \\ H & - \text{N.} \\ \text{Is lington South-east} \\ \text{Highbury } HH & - & - \text{N.} \\ \end{array} \right. $	98,273 107,365 66,549 64,577	50 60 33 30	82 52 34 25	12 8 6 2	32 20 14 18		1	1 1 1 1	1 1 1 1	1		1			1 3 2	3 3 8 2	45
Stoke Newington H - N. North Hackney E. & N. Central Hackney ww - E. & N. South-west Hackney HHH E. & N. South-east Hackney WwH E.&N.	33,485 213,044	21 23 29 51 41	13 11 22 24 32	2 2 4 8 6	7 3 6 7 10		11111		1 5 -	1 2	11111	- 2 3 1	11111	1111	1 1 22 22 21	1 - 23 6	7 6 16

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated there namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District than that in which it stands; H—Hospital; L—Lunatic Asylum; l—Private Lunatic Asylum in which paupers a Grand Junction Company; W. West Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. Ne see note † on first page of this Return.

\* See note † on first page of this Return.

† The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899 and we re-named North Hammersmith and South Hammersmith, respectively.

5. LONDON.—POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, JARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHEEA, VIOLENCE, &c., registered in each gb-District during the Week ending Saturday, 23rd December, 1899—continued.

JB-DISTRICT during the We	ek endin	g Sati	iraay,	23r	d De	cem	ber.	, 189	99—	cont	inu	ed.						
							Tì	16 DE	ATHS	regis	tered	durin	g the	Wee	kinel	ude		
	Enume-			l	thsof	l				Deatl	as fro	m					uttons	Jo
GISTRATION SUB-DISTRICTS	rated Population. 1896.	Total BIRTHS.	Total DEATHS	Infantsunder I Year of Age,	Personsaged 60 Years and upwards.	Smail-pox,	Measles.	ScarletFever.	Diphtheria,	Whooping-cough,	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhosa,	Violence	InquestCases	Deaths in Public Institution	Uncertified Causes
				Melicocalico														
CENTRAL DISTRICTS.  asbury and St. Giles $\{H^* WH^ H^ N\}$ .	<b>2</b> 9,086 · <b>9,151</b>	25 3	10 5	3 -	2		- 1	-	_	-	- 1	-	1 1	1 1	2 -	2.	4 -	-
rtin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 †1,037	4 5 -	6 10 2	1 -	2 5 2	1-1-1		-		111	1 1 1	1 -		1 1 1	1 1 1		6 5 2	111
orn wHHHHHHH - N. mes Clerkenwell - N. ell Clerkenwell - N. ell-street - N. oroad HHHL - N. oross-street - N. oross-street - N. orn Union Workhouse, cham S	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	19 8 21 10 44 2 -	22 9 20 4 17 5 - 2	725 - 21	447352		1	1	1111111	21		1	-	2	1	2 - 1 1	9 - 7 - 2	1 1 1 1 1 1 1
otolph! HH N.&E. dlegate N. pulchre WH N. llows Barking N. fLondon Asylum, Stone	9,762 3,299 9,591 9,059 †388	2 2 3 -	15 11 1	1	3 1	1 1 1 1	1	1111		1 1 1 1	1111	- 1 -		11111	1 2 -	3 - 4	- 11 1	11111
EAST DISTRICTS.  Editch South $Hl - E.\&N$ .  On New Town $w - N$ .  On Old Town $- N$ .  erston $WH - N$ .	17,975 29,575 27,645 47,163	14 15 16 35	10 28 15 29	2 1 2 7	4 12 6 13	-	1111	1111	2 -	111	1 1 1	 - 1	-		1 1 3	3218	10 10	
nal Green North $H$ - E. nal Green South - E. nal Green East $WWHl$ - E.	49,301 34,194 45,667	50 26 39	18 17 32	3 5 6	3 4 12		1.17.1	-	1	2 2 -		-	-	- 1	2 2	3 2	1 19	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	26,681 } 51,995 {	21 30 8	12 38 8	3 2 1	2 4 <b>6</b>		1	-		1 -		1 -	-		7 -	1 9 3	32	
eorge, North E. hn, St. George East W E.	39,576 7 930	31 7	12 11	3 3	3 3	-	1	-	-	-	-	1 -	-	-	ī	3	$\bar{7}$	- 1
well $H$ E. & N. iff $W$ E. house E.	10,434 14,954 32,917	6 6 23	7 7 16	1 1 4	1 3	1 1 1	1 1 1		- 1		1 1 1	-		1 1 1	- 1	- 4	4	111
End Old Town West H E. End Old Town East - E.	} 111,060	<b>40</b> 38	20 26	2 3	10 10	-	1	-	1	1	-		-	1 1	1 2	2 4	5 5	-
loy wwwH E.	41,687 69,821 57,759	23 58 33	20 58 34	7 8 4	3 25 14		2 -	<u>-</u>	- 1	3 1 2	-	~	-	- 1	- 2 1	174	1 24 4	- 1 -

The Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November 1899, and re-named
Bloomsbury and St. Giles South.
† Population in 1891, not included in the total population of the Central Districts or of London.
‡ The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.

This chapel Church Sub-District was abolished on 1st January 1899, and divided between Mile End New Town Sub-District and Goodman's Fields Sub-District.

'TABLE 5. LONDON.--POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-PON, MEASURET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIABRHERA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 23rd December, 1899—continued.

SUB-DISTRICT during the We							_						the W	eekir	nelud	e	_
	Enume-			Deat	hsof					eaths		_			-		000
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBIRTHS,	TotalDEATHS,	Infantsunder 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles.	ScarletFever.	Diphtheria	Whooping-cough.	Typhus.	Enteric (or Typhold) Fever.	Simple Continued Fever.	Diarrhes.	Violence,	InquestCases.	Deaths in PublicInstituti
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saylour Southwark S.	13,064 12,301	11 8	3 4	1	1	1 1	-1			-	-	-			ī	1	1
	22,879 16,083 21,316 28,723 62,045 30,171	14. 6 15 13 44 19	12 9 9 18 43 21	3 1 - 2 12 6	1 2 1 3 5 14 6	111111	- 3	1	11111	11111		- - 1 1	11111	1 1 1 -	1 - 3 3 -	1112-752	21 1 8
St. Olave $WH S$ . Bermondsey $W S$ . Rotherhithe $Ww S$ . & K.	11,731 85,475 40,379	58 20	25 51 37	11 4	5 16 12	111	1 2 2		- 1		-	2 -		1.1.1	5 -	7 5 1	19 1 18
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	28,396 18,770 40,994 52,486 43,244 81,825 29,318	24 12 24 39 19 50	15 21 41 33 18 29 17	3 6 10 9 1 5 3	6 1 19 13 11 14 8	1111111	1 2 - 2	111111	- 2 - 1 -	1	. 1 1 1 1 1 1 1	1 - 1	1111111	1111111	1 1 1	1 4 7 - 5 2	12 28 - 1
East Battersea S. West Battersea WwH S. Clapham H S. Wandsworth WHHL - S. Putney S. Streatham WwwwwL - L.	71,730 93,385 46,953 58,101 20,566 61,644	53 62 19 37 7 38	27 54 29 25 9 45	698818	9 22 11 11 15 13		5 1 2 1 - 2	2	11115	1	11111	1 1 1 1 5		111111	1 2	331311	17
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,519 90,286 88,242 67,029	52 53 59	78 26 32	10 7 6	1 29 6 8	-	3 -		- - 1	1111	1111	- 1 -	1 1 1 1	1111	ī ī	3 - 4	37 1
Deptford North K. Deptford Central $w$ K. Deptford South K. Greenwich West $H$ - K. Greenwich East $WH$ - K.	36,152 45,441 33,402 23,012 37,767	23 31 16 15 15	17 29 13 10 34	3001015	5 6 2 17	11111	1	2 -	5	- - - 1		1	1111	11111	1	1 - 2	8 - 17
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	4 6 33 16	1 10 43 18	- 2 3 5	6 20 5	1	ī -	21111	10		1111		1111	ī -	-	1 - 2	2 22 1
$\begin{array}{c ccccc} Charlton & wHH & - & - & K,\\ Woolwich Dockyard & - & - & K,\\ Woolwich Arsenal & HHHH & - & K,\\ Plumstead West & H & - & - & K,\\ Plumstead East & WH & - & - & K.\\ \end{array}$	15,928 19,355 21,959 16,714 42,538	15 8 19 11 35	15 11 16 6 22	4 4 1 - 3	3 2 3 4 10		- 1 -	1 1 1 1 1	6 -	1 2 1	11111	1	TELLE	1	- 1 1	- 4 - 2	7 - 6
Banstead Asylum			2 1 3 4 1 - 6	111111	1 1 2 1 - 3	1,1111,1	111111	1 -	11111	1111111	1111111	111111	311111	11111	i i i i i i i i	111111	2 1 3 4 1 - 5
Hanwell Asylum Colney Hatch Asylum N.E. Hospital Winchmore Hill Hospital Leavesden Asylum Claybury Asylum		000 000 000 000 000 000	75 1 1 1 8 10	11111	4 2 - 5 -			1 1		11111	111111	11111	11111	11111		1	5 1 1 8 10

6.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE OSPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ding Saturday, 23rd December, 1899.

							Th	e DE	ATHS				Week	incl	ade		
		Enume-	ະທ້	100	Deat	hsof	.,			Death		n			,	0	89
REGISTRATION SUB-DISTRICTS,	Area in Acres.	rated Popu- lation, 1891.	BIRTH	DEATHS.	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough	Fever.	Diaribos.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death
DON-OUTER RING -	368,749	1,422,063	1122	794	177	278	=	11	. 5, .	21	3	10.	1	29	66	. 94	8
Carshalton H Epsom, part of WwHH -	12,228 10,423	26,108 12,508	9	8 13	1 -	2 7	-		- 70	1	-	-	. <del>-</del> -5	2	2	2-10	-
Godstone, part of * W -	2,754	1,598	2	2	1	1	- 4		1 1		141	10° ±	10	20	32_3	-1	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	64 11	61	6	29	, <u>=</u>	= =	15.	1	1	(P)		1	2	19	- S-2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,220 14,672 4,565	$ \begin{cases} 25,777 \\ 33,566 \\ 12,178 \\ 11,080 \\ 18,252 \end{cases} $	24 20 6 6 16	21 25 10 7 8	5 7 1 2 2	7 10 7 2 4	PILITA		- = -	. 1	11.1.1.1	11211	11711	11,111	5	21 -	1
Richmond $WH$ Mortlake $H$	2,160 2,823	25,389 16,159	13 8	11 8	1	4 4		1	-,	1	-	-	-	-	ī	1 1	-
Bromley $HHH$ Beckenham $H$ Chislehurst, $part of *WHH$	9,127 6,542 14,307	23,815 21,969 20,372	11 16 13	8 10 13	- 1 3	2 5 7	F 1 1	-	, -,	1.0.1	1 - 1	1.1.4	1 1 1		-3	2	111
Bexley HHH Dartford WH, part of * -	12,540	30,590	34	11	2 -	5	- -	-			-	1		-	1	ī	2
Sunbury w Staines WH	11,054 13,277	13,671 13,221	12 15	11 2	2	4 2		1	<u>D</u> o		1.5	.: <u>T</u> a	-		75.	.7 <u>5</u> 7	ku 🗷
Hillingdon WHH Uxbridge Hayes WH	6,035 12,757 7,952	12,237 7,253 11,051	5 4 10	8 - 2	- 2	6 -	1.11		1	1.	11.1	7 TA	-	11.	- 1,1 1,	2	10 E
Isleworth WHH Twickenham HH Brentford HHHH Chiswick Acton wHH	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	20 7 21 15 37	17 4 19 17 18	3 - 3 5 8	6 3 6 5 6	41,111	1 -	1		11111		1 1 1 1	2 -	1 221	1 1	12 P
Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	13 3 73 11	10 36 17	2 7 6	5 12 5		1111	1	- 1 -	1 4 6 1	  		1	- 2 1	$\frac{-}{2}$	1
South Mimms $HH$ Barnet $WHH$ Finchley $HHH$	} 21,077 4,688	6,367 14,152 25,820	- 3 17	3 4 11	$\frac{1}{4}$	25	1 1 1		1 1/2 1 .	( + 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		-	1 -	ī	1	3.	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	35 76 30 28 3 5	19 51 34 17 1	3 10 11 7 - 2	6 16 9 4 1 5	111313	1	1.		कें कि का	) <b>1</b>	1 -	1 2 1 - -	1 6 4	3 8 1 -	1
Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 <b>7,</b> 737	1	10	3	4			1.4.4	1 1	7 7 7		-	1	-3	1 1 1	14
Stratford H Plaistow HHH	3,266 4,334 6,501 11,779	38,612 58,030 54,750 53,511 32,713 70,188 57,330 12,941	27 67 61 37 68 51 69	22 34 42 14 25 46 39 6	6 11 13 5 6 9 9	6 6 8 3 4 22 12	1111111	1 2	11 11 11 11 11	1 3 1 3 3 2 -	111111111111111111111111111111111111111	2 3 - 1 1	1111111	4 1 3 2 1 2 -	4282853	3 4 2 - 11	1
Romford, part of WH - Hford Barking Town, H - Middlesex County Asylum, Wandsworth	6,556 8,493 3,814	4,324 10,913 14,301	1 13 20 -	2 7 13 3	1 4	1 3 3 2	1 111	- 3	4 114 1		1, 17.1.7		1 1 1 1	3 1.22	1 2	1 2 3	1 T - 2
S.E. Fever Hosp., Deptford N.E. Fever Hosp., Totten- ham.	-	= -	-	1 1	1.1	1 1		1 1	1	1		7	-		P. 12	1	2 H

e parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows:—30: 2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37: 1, the parishes of Warlingham rley in Godstone sub-district; 39: 3, Esher sub-district, except the parish of Esher (pop. 2,282); 41: 3, Chislehurst strict, except the parishes of Chelsfield, Cudhum, and Knockholt (pop. 3,097); 135: 1, the parish of Northaw in Id sub-district; 187: 1, Chigwell sub-district, except the parish of Theydon Bois and part of the parish of Epping .079): 189: 1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospital for

TABLE 7.—GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).—DEATHS an Rate of MORTALITY during the week ending Saturday, 23rd December, 1899.

and a secondary with second absence of the second			ANNUA	L RATE			The DI	ATH	8 regi	stere	l in tl	18 We	ekino	lude	
GREATER	Area	Population estimated in the	per 100	RTALITY 0 living.	DEATHS	Dea	ths of				Deatl	ns from	301		
LONDON,	Acres.	middle of the year 1899,	From All Causes.	From Diseases in Cols. 8-14.	ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox,	Measles.	Scarlet Fever.	Diphtheria,	Whooping-	Fever.	Diarrhoa.	Violence.
Cols.	1.	2.	3.	4.	5.	6,	7.	8.	9.	10	11.	12.	13.	14	18
GREATER LONDON	443,421	6,528,434	27.2	2.0	3401	696	1225	_	69	16	75	34	46	13	13
INNER LONDON - OUTER RING -	74,672 368,749	4,546,752 1,981,682	29.9	2·3 1·3	2607 794	429 177	947 278	-	58 11	11 5	54 21	31.	36 10	12 1	107 29

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivalent the area of a circle having a radius of 14.851 miles.

TABLE 8 .- BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FORWIGN Co

-		- STIC	ın certain	FOREIGN	CITIES.						
	POPULATION	DATE			ANNUAL	DE	ATHS		M PRI DISEA		L ZYM
CITIES,	(enumerated	OF RETURN.	BIRTHS.	DEATHS.	DEATH-	OK.		· 42 .	Diphtheria	Whooping-	
4 5 1 5 1 - 1 -	estimated).	Week ending	Exclusive	of Stillborn	per 1000	Small-pox.	Measles.	Scarlet Fever.	the	opin	Fever.
181-12-	Collinateu).	-   -   -		1	living.	ma,]	Meg	S. Fe	iph	02 00	Fe
1 - 1 A 1 - 1 -	1		II		11	1 00		1	I A.		1 1
EDINBURGH	298,927	Dec. 23	148	112	19.5			·	1	. "i	2
GLASGOW	733,903	.,, 23	466	336	23.9	-	20	5	2	5	5
DUBLIN	349,594	. 23	138	285	42.5	-	24	1	. 3	2	3
CALCUTTA	466,460	Oct. 28	2 .	245	27.4	1		~ _		1	89†
BOMBAY	821,764	Nov. 28	255	959	58.6	14	-13	- 9	- 8	· 'P	232†
MADRAS -	452,518	" 24	402	376	43.2	-	[1]	( P.	.\$	. 3	88
PARIS	2,511,629	Dec. 16	1069	1009	20.8	-	_ 5	_ 2	5*	3.	9
BRUSSELS	£61,130	,, 16	275	_ 190 ,	17.6	-	-		- 1	1	2
AMSTERDAM -	517,595	, 9	291	154	15.4	-	-	** ## .	-	1	1
ROTTERDAM -	315,305	- 33 - 9	203	95	15.5	-	-	-	. 2	1	• 1
THE HAGUE -	199,285	., 9	97	60	15.7.	7.	-		- <del>"</del> .,	-	
COPENHAGEN	349,000	,, 16	117	107	16.0	-	- 1	- 1	4	- 1	7.2
STOCKHOLM	291,580 221,255	,, 9 16	157	88	15.7	-	~	2	4*	2	
· · · · · · · · · · · · · · · · · · ·			133	67	15.7			- 3	1	-	2
ST-PETERSBURG MOSCOW	1,132,677 988,610	9	745	541	25.0	3.	-14	10	40	. 8	8
BERLIN -				464	24.5	~ .	- 1	12	14	2	5
HAMBURG -	1,818,517 675,351	" 2 " 16	827	568	16.0	-	8	15	15	7	3
DRESDEN -	397,300			209	16'1	-	2	1	2*	2	1
BRESLAU	406,012	,, 16	× -	174	22:3	_	3	2	- [1]	1	
MUNICH	445,000	,, 16	12.1	209	24.4				4*	3	1
VIENNA	1,623,134	. ,, 9	817	554	.17.6	_2	15	1	8*	3	, 2
PRAGUE -	384,622	,, 9	177	174	23.4	-	- 2	- 2	3	3.	2
BUDA-PESTH -	666,722	,, 2 9	468	219	17.1	- ]	. 4	10	- 3	1	
TRIESTE -	166,599	, 2	. 91	90	28.0	4.	1	3	5*	- 2	-
ROME	508,779	Nov. 25	239	214	21.9	-	5	-	4	-	58
TURIN (11 days) VENICE	344,203 172,288	Oct. 31	239	202	19.5	- :	-	-	-	1	2
CAIRO	7.	Dec. 2	63	82	24'8	-		-	4*	~-	-
ALEXANDRIA -	570,062 319,766	Nov. 18	423	340	31*	-	121		6.	-	7
NEW YORK	010,700	18	226	158	. 25*7	1	7-1	2 .	-	-	1
(including -	3,550,053	Dec. 2	1454	1147	16.9	_ :	11	7	41	* 4	19
BROOKLYN) PHILADELPHIA	1,266,832	37 9		412	17:0			3	27	. 2	8
				110	140			3	21		

Including deaths from eroup.
Including 35 deaths from plague in Calcutta, and 137 in Bombay.
Including 7 deaths from cholera in Calcutta, and 4 in Bombay.
Including 1 death from malarial fever.

							222.		77 000	gica		70007 6	ations	•							000
		Ozone	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26		ns of bulb	the the or is	The nean bles.	nent	eter,	ate;	lent,	and	1
collected	in a Gauge whose	receiving surfaceis finches above the Ground.	in. 0.01	0.03	0.00	0.00	0.00	10.0	00.0	Sum 0.08	25	lofthe	he mea	wenty y 1868 for momete 1 minin	nmn 8). m then rical Ta	beservat l moven ling 1875 higher,"	ermom	ristering Electrometer. Weak; m. moderate;	Instrun	ie 23rd	
		Depar- ture from Average of 16 Years.	Miles.	-163	-214	-142	-110	-164	-202	Sum -1131	24	ean leve	and th	ngthet ending alb ther	air (colu uced fro ygromet	nof the orizonta ears end icates "	oftheth	ering E	eningui	M. on th	
	Robinson's.	Horizontal Movement of the Air on each Day.	Miles.	147	96	167	197	141	101	Sum 1023	23	nidnight	sealever,	ade duri years e dry bi maxim	re of the grand are ded isher's H	liscussio lat of ho the 16 y	lezeror	i w. we	stokes St lay.	by 9h, A	
померек	he	an 24 irly bs.	1bs.   0.0	0.0	0.0	0.0	1.0	0.0	0.0	:	22	htto n	duce to 3h.P.N therr s by th	rds m wenty of th	peratu imidir by Gla	romac, and tl rds for	thein	Thomson's self-reg N. negative; w.	pbell-s	90 in.	~
m Ano	Pressure on the	Least.	1bs. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	;	21	idnig 159 fe	to re	crecc the t ading	f tem of ht eters	rivedf g 1890 ereco e in n	edfor	homs N. ne	Cam ine on	16. F.S	21 21
aced iro	Pressu	Squa Great-	lbs.	0.4	0.0	6.0	2.0	0.3	0.1	:	20	rom m	daily	raphi uring san re	degree rmom	endin endin pmetri borne	orrect	from T	sunshi	eased	
Wind as dear	Osler's.		N. & NE.	NE.	ENE. &	E, ENE.	NE. E. &	ESE.	Variable	& SE.	19	vilday, or f	ed to the resaken at 9h.	fthe photog eter, and d orrected me	mean daily v erature and wet bulb the	of the air istly the 50 years of the anemo	e. n 17 arenote	is derived is:—P. positi	,derived fron	neter increases 21st; decr. o week.	
		A.M.	ESE, SE.	NNE. & N.	NE. &		NE.		ESE. & NE.	NE., E.	18	The results apply to the civil day, or from midnight to midnight. The height of the cistern of the harometer is 180 feet above the mean level of the sea.	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at 81A. A., in one 13A. F. A., and 9h. F.M. The means of the gra-readings of the barometer, the dry bulb thermometer, and the wot bulb thermometer, are to one ted into mean daily values by the application of corrections	deduced from a discussion of the photographic records made during the fwenty years ending 1873 for the barometer, and during the twenty years ending 1885 for the thermometers. With the corrected mean reading of the dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum	thermometers, forming the mean daily value of temperature of the air (column 8). The mean daily dew point temperature of the mean dealy dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables.	Theavorage temperature of the air is that derived from a discussion of the observations made as Greenwich during the 50 years ending 1890, and that of horizontal movement of the air from a discussion of the anemometric records for the 16 years ending 1875. In reading columns 9 and 24 it will be borne in mind that + indicates "higher," and	<ul> <li>"lower," than the average.</li> <li>"The valuesgiven in column 17 are not corrected for the index error of the thermometer, which cannot be determined.</li> </ul>	The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are.—F. positive; N. negative; w. weak; m. moderate; s. strong; and v. variable.	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instruston the aggregate duration of bright sunshine one and day.	The reading of the barometer increased from 29 is in, at the beginning of the week to 30 T/1 in, by 9h, P.M. on the 23st; decreased to 29 30 in, by 9h, A.M. on the 23st of and was 29 93 in, at the end of the week.	
D.B.	Ofthe	Earth 3 feet below the	043.15	42.75	42.26	52.29	42.49	42.49	42.50	42.65	17	sults a	ction hardions rations readin	ifrom a 1873 for neters.	neters, aily dev dues of	Green irfrom ding co	aluesgi	scord c mbols	umbers e aggre	eading in. by 9 13 in. at	
LEEBATO	tion	Lowest on the Grass.	21.2	32.1	24.2	24.6	34.1	32.1	27.2	28.0	16	There	no corre Obser the eye	deduced ending thermor	thermon mean da daily va	Thear made at of the a	The v	The record The symbols	Then show th	The r to 30.17 was 29.9	
T. FEB.	Of Radiation	Highest 1n Sun's Rays.	37.8	46.4	41.8	42.5	39.0	39.1	54.0	42.9	15		over- g. A	Fog in	with	*:	after-	Slight	; fine	•	
	Degree of Hu-	(Saturation equals 100).	18	96	86	89	16	95	95	92	14	oo	A.M.; nornin ernoo		Cloudy, with	rning.	in in	rain.	and de		
ween	nt I	Least.	3.4	8.0	0.0	0.0	1.0	0.0	0.0	2.0	13	TARK	ery fine till 3h. A.M.; ov Hoar frost in morning. I during the afternoon.	sty ra		in mo	sty ra	42	rly me		
nce bet	remper Jew Poi peratur	Great.	4.3	4.6	4.6	3.6	4.3	5.5	5.3	4.6	12	LRE	fine to ar fro uring 1	nt mis	t; fogg iight.	t; fog	st; mi	nt sli ternoo	in ea M.; ove		
Differe	the Air Temperature and Dew Point Temperature.	Mean daily value.	0.0	1.5	9.0	8.7	15:51	1:1	2.0	2.2	11	GENERAL REMARKS	nd very is. Ho fell d	freque	vercas ost at r	vercas	vercas	freque et in af	foggy I 2h. P.	ards.	
	Of the Dew		25.1	36.6	32.5	32.6	34.0	32.6	33.5	32.2	10	GE	Cloudless and very fine till 3h. A.M.; overast afractwards. Hoar frost in morning. A title fine sleet fell during the afternoon.	Overcast: frequent misty rain.	Generally overcast; foggy.	Generally overcast; fog in morning	Generally overcast; misty rain in after-	Overcast; frequent low and sleet in after	dy and	afterwa	
RE.		De- parture from Average of	0 - 97	- 1.9	5.9 -	9.6	1 2.3	- 4.6	1 2:9	- 4.5	6		Cloudless and cast afterwards.	Overcast: frequent morning and at night,	Gene slight l	Gene	Gene noon.	Overcast; frequent sligh snow and sleet in afternoon.	Cloudy and foggy in early morning; fine and bright till 2h. P.M.; overcast and densely	loggy afterwards.	
TEMPERATURE	ir.	Mean daily value.	30.3	37.8	33.1	35.4	36.5	34.0	35.5	34.7	00	Registered Sun above Sunshine Horizon, in hours.	2.8	7.8	5.5	7.8	2.8	7.8	7.8	Sum 54.6	29
TEMP	Of the Air.	Daily Range,	12.1	4.7	11.0	11.0	60	4.6	10.2	8.5	7	red Su ine H ins. in							1		28
		Low- est	24.5	35.5	27.5	27.8	34.7	32.5	30.3	30.3	9	Registe Sunsh in hou	0.0	0.0	0.0	0.0	000	000	2.0	Sum 0.7	64
		High-	36.3	39.9	38.2	38.8	38.0	36.8	41.0	38.2	5	of e.)	۱ ک	ocsa- till after-	ont -	A.M.; after-	√. 1	' Z	A.M.;		I
METER.	Mean	rected and re- duced to 32° Fahren- heit).	in. 29.806	29.911	59.989	30.001	30.153	30.001	29.916	29.968	4	ELECTRICITY. (For explanation of symbols, see Note.)	P. generally	w. P., with ocea- sional w. N. till 9h. A.M.; m. P. after-	m. P. throughout	v. P. till 4h. A.M.; w.P.generally after- wards.	w. P. generally	w. P. and w. N.	s. P. till 6h. A		27
	Phases	of the Moon.	Full	:	:	:	:	Apogee	In Equator		3	ELF (For exympters)	m. P.	w. P. sional	m. F.	v. P. w.P.g	w.P.		s. P.		
		N.D	ER.	- 18	- 19	ÿ 20	- 21	- 22	- 23	ı	- uu	GR.	- 17	18	- 19	17 20	7- 21	- 8	23		3
	1899.	MONTH AND DAY	DECEMBER SUNDAY -	MONDAY -	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DATE, DECEMBER	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY-	FRIDAY	SATURDAY		No. of Col.
-	-		1   02		-	5	-	-	- Control		1										

LONDON.
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1899.

OFFICIAL COPY.

# WEEKLY RETURN

#### IN LONDON BIRTHS AND DEATHS

AND IN

## THIRTY-TWO OTHER GREAT TOWNS

By Authority of the Registrar General.

Printed under the Superintendence of Her Majesty's Stationery Office, AND SOLD BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

[Price  $1\frac{1}{2}d$ . No. 52. 1899. Vol. LX.] WEEK ENDING SATURDAY, DEC. 30.

> General Register Office, Somerset House, January 1st, 1900.

THIRTY-THREE GREAT TOWNS.

The deaths registered last week in THIRTY-THREE GREAT TOWNS of England and Wales corresponded to an annual rate of 30.6 per 1000 of their aggregate population, which is estimated\* at 11,404,408 persons in the middle of the The deaths registered in each of the last four weeks in the several towns, alphabetically arranged, corresponded to the following annual rates per 1000:-

	1	Weeks	endin	g		1	Weeks	endin	g
Towns.	Dec. 9.	Dec. 16.	Dec. 23.	Dec. 30.	Towns.	Dec. 9.	Dec. 16.	Dec. 23,	Dec. 30.
33 Great Towns Birkenhead - Birmingham - Blackburn - Bolton - Bradford - Brighton - Brighton - Brighton - Cardiff - Croydon - Derby - Gateshead - Halifax - Huddersfield- Hull - Leeds -	16·8 16·9	22·6 17·0 16·7 20·5 20·7 21·3 16·6 19·9 20·0 14·7 16·1 17·6 9·6 22·3	19·7 23·1 21·0 35·1 25·5 19·4 22·9 20·1 21·0 23·5 17·6 23·1	19·4 20·2 33·1 27·0 25·9 21·3 17·6 24·5	Leicester Liverpool London Manchester Newcastle-on-Tyne Norwich Nottingham Oldham Portsmouth Portsmouth Preston Salford Sheffield Sunderland Swansea West Ham Wolverhampton -	25·9 22·4 20·8 21·0 13·4 14·4 13·5 26·4 23·0 25·3 21·7 19·8 17·8 20·1 16·3	22·7 26·5 23·8 18·8 19·4 19·4 27·5 30·3 325·7 23·4 21·4 520·1 124·6 515·8	33·9 29·9 23·8 24·9 22·1 25·3 21·8 38·9 42·4 26·8 23·0 29·4 36·7 20·7	33·1 34·9 30·1 49·7 42·1 39·5 26·5 27·9 27·6

The highest annual death-rates per 1000 living, as measured by last week's mortality, were:—from measles, 1.0 in Swansea, in Oldham, in Huddersfield, and in Gateshead, 1:1 in Halifax, 1:3 in Bradford, 1:4 in Salford and in Newcastle-on-Tyne, 1:9 in Sheffield, 2:7 in Hull, and 5:8 in Preston; from whooping-cough, 1:1 in Cardiff, 1:2 in Wolverhampton and in Liverpool, 1:4 in Salford and in Newcastle-on-Tyne, 1.5 in Blackburn, 1.6 in Portsmouth, and 4.1 in Norwich; and from "fever," 1.0 in Plymouth. In none of the thirty-three towns did the death-rate from scarlet fever or from diarrhea reach 1.0 per 1000. The 122 deaths from diphtheria included 56 in London, 18 in Sheffield, 6 in Leeds, 5 in West Ham, 5 in Manchester, 4 in Leicester, 4 in Liverpool, 4 in Blackburn, 3 in Brighton, and 3 in Preston. Ten deaths from small-pox were registered in Hull, but not one in any other of the thirty-three

LONDON.

In LONDON† 1880 BIRTHS and 3067 DEATHS were registered. for increase of population, the births were 314 below, and the deaths 1043

<sup>\*</sup> By "estimated" population is meant merely the number of persons who would be living at a given time if the mean rate of increase in the last intercensal period had since been maintained.
† Including deaths of Londoners in the Metropolitan Workhouses, Hospitals, and Lunatic Asylums situated outside Registration London, but excluding deaths of person not belonging to London occurring in the London Fever Hospital, in the Middlesex County Lunatic Asylum at Wandsworth, and in the Metropolitan Asylums Board Hospitals within Registration London. As far as practicable, the deaths thus excluded from Registration London are, for the purposes of Tables 1, 6, and 7, added to the Outer Ring, or to other areas to which they belong

above, the average numbers in the corresponding weeks of the last ten years. The annual death-rate per 1000 from all causes, which had been 22·4, 23·8, and 29·9 in the preceding three weeks, further rose last week to 35·2. During the four weeks ending on Saturday last the death-rate averaged 27·8 per 1000, being 6·6 per 1000 above the mean rate in the corresponding periods of the ten years 1889–98.

The 3067 deaths included 64 from measles, 12 from scarlet fever, 56 from diphtheria, 28 from whooping-cough, 18 from enteric fever, 9 from diarrhea and dysentery, and not one death from small-pox, from typhus, from any ill-defined form of continued fever, or from cholera; thus, 187 deaths were referred to these diseases, being 44 below the corrected average weekly

number.

The deaths from *measles*, which had been 59, 57, and 58 in the preceding three weeks, rose last week to 64, but were 11 below the corrected average; 19 cases belonged to Battersea and 13 to Fulham sanitary areas. The deaths from scarlet fever, which had been 15, 9, and 11 in the preceding three weeks, were 12 last week, the corrected average being 17; 2 cases belonged to Islington, 2 to Hackney, and 2 to Newington sanitary areas. The deaths from diphtheria, which had been 43, 55, and 54 in the preceding three weeks, were 56 last week, the corrected average being 49; 10 cases belonged to Camberwell, 5 to Islington, 4 to St. Pancras, 4 to Shoreditch, 3 to Hackney, 3 to Bermondsey, and 3 to Battersea sanitary areas. The deaths from whooping-cough, which had been 20, 36, and 31 in the preceding three weeks, further fell last week to 28, and were 31 below the corrected average. The fatal cases of enteric fever, which had been 29, 13, and 36 in the preceding three weeks, fell again last week to 18, but were 2 above the corrected average; 2 cases belonged to Hammersmith, 2 to Islington, 2 to Lambeth, 2 to Battersea, and 2 to Wandsworth sanitary areas. The deaths from diarrhæa, which had been 14, 14, and 12 in the preceding three weeks, further fell last week to 9, and were 5 below the corrected average. The deaths referred to diseases of the respiratory organs, which had been 548, 646, and 968 in the preceding three weeks, further rose last week to 1172, and were 586 above the corrected average. The deaths attributed directly to influenza numbered 193, having been 42, 38, and 69 in the preceding three weeks.

Different forms of violence caused 103 deaths, concerning all but 1 of which inquests were held. Of these 103 deaths, 8 were cases of suicide, while the remaining 95 were attributed to accident or negligence. Five of these were referred to vehicles in the streets, 5 to conflagrations, 11 others to burns and scalds, and 26 (including 25 of infants under one year of age),

to suffocation in bed.

CASES OF INFECTIOUS SICKNESS IN HOSPITALS.\*\*

According to returns from the Metropolitan Asylum and London Fever Hospitals there were 7 cases of small-pox, 2881 of scarlet fever, 1693 of diphtheria, and 406 of enteric fever under treatment in these hospitals on Saturday last (Table 3). The admissions during the week, as compared with those in the preceding three weeks, were as follow:—Of scarlet fever, 161 cases, against 277, 180, and 209; of diphtheria, 178 cases, against 237, 218, and 187; and of enteric fever, 43 cases, against 65, 50, and 49.

GREATER LONDON.

In Greater London 2630 births and 4020 deaths were registered, corresponding to annual rates of 210 and 321 per 1000 of the estimated population. In the Outer Ring 11 deaths from measles, 5 from scarlet fever, 24 from diphtheria, 10 from whooping cough, 4 from "fever," and 2 from diarrhæa were registered. Twelve deaths from diphtheria and 3 from "fever" occurred in West Ham District; 3 deaths from scarlet fever, 3 from diphtheria, and 4 from whooping-cough occurred in Edmonton district.

METEOROLOGY.

The mean reading of the Barometer last week at Greenwich was 29.27 inches, and that of the Thermometer 38.8; the latter being 0.4 above the week's average in the 50 years 1841–90. The direction of the wind was variable, the horizontal movement of the air being 18 per cent. above the week's average in the 16 years 1860–75. The duration of registered bright sunshine in the week was 6.2 hours; the measured rainfall amounted to 0.59 of an inch.

<sup>•</sup> The figures for the Hospitals represent patients certified on admission to be suffering from Scarlet Fever, Diphtheria, or Enteric Fever respectively; but in a considerable proportion of cases, the diagnosis is found after sojourn in the Hospital to have been erroneous.

|          |                                    |   |  |  |  |  | ~  |  | 6/6  
   | ,  |  | 760  |   | ,  
   |   | 576  |  |  | | | | | |
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CITIES	AND BOROUGHS,	Cols.	33 TOWNS.
   | BRISTOL.   | CARDIFF.   | SWANSEA.   | WOLVERHAMPTON.  | BIRMINGHAM.  
   | NORWICH.  | LEICESTER.   | NOTTINGHAM.  | DERBY.   | BIRKENHEAD.  
   | LIVERPOOL.  | BOLTON.  | MANCHESTER.                                  | SALFORD.   | OLDHAM.   | BURNLEY.                                       | PRESTON.   | HUDDERSFIELD.  | HALIFAX,   | BRADFORD.  
   | LEEDS.  | SHEFFIELD.   | HULL.  | SUNDERLAND.  | GATESHEAD.   | NEWCASTLE.  
  |
|          | In Centi-                          | 24.                                       | 3.15                                     | 1.50   | 1  | 2.36   | 1  | 1  | 1  
   | 4.57   | 1  | 1  | 2.67  | ŧ  
   | .3  | 1  | 2.57   | 1  | 1  
   | 3.56        | F,   | 1  | 1  | ı   | ı  | 1 1  | 4-24   | 1  | 3.86   
   | 1       | 1.   | 1  | 1  | 1  | 1   
  |
| -        | In Inches.                         | 23.                                       | 1.23                                     | 62.0   | 1  | 0.03   | ı  | 1  | 1  
   | 1.68   | 1  | ,  | 1.05  | 1  
   | ı   | ī  | 1.01   | 1  | 1  
   | 1:40        | i  | 1  | 1 ,  | ı   | 1  | 1  | 1.67   | 1  | 1.53   
   | 3       | 1  | 1  | 1  | í  | ,   
  |
| ď        | Centigrade.                        | 23.                                       | 2.44                                     | 3.78   | 1  | 2.44   | 1  | 1  | ı  
   | 3.39   | 1  | ı  | 1.22  | 1  
   | 1   | 1  | 92.1   | 1  | ı  
   | 2.56        | 3 -  | 1  | 1  | 1   | 1  | 1 1  | 0.94   | 1  | 3.83   
   | ı       | 1  | 1.,  | 1  | 1  | 1   
  |
| Mea      | Fahrenheit.                        | 21.                                       | -  | 38.8   | 1  | 36.4   | ,  | 1  | 1  
   | 38.1   | 1  | 1  | 34.2  | 1  
   | 1   | 1  | 34.8   | 1  | 1  
   | 36.6        | 1  | ı  | 1  | ı   | ,  | , ,  | 33-7   | 1  | 38.9   
   | 1       | 1.   | 1  | 1  | 1  | 1   
  |
| •        | heit Lowest                        | 20.                                       |  | 25.3   | 1  | 23.5   | 1  | !  | 1  
   | 24.0   | Į.   | 1  | 22.0  | 1  
   | ı   | ı  | 20.2   | 1  | 1  
   | 24.4        | ł  | ı  | 1  | 1   | 1  | 1  | 17.0   | 1  | 20.5   
   | ı       | ı  | 1  | 1  | ı  | 1   
  |
| •1       | Hahren Hahren                      | 19.                                       | _  | 2.09   | 1  | 49.3   | 1  | 1  | 1  
   | 20.7   | 1.   | 1  | 47.0  | <br>I  
   | 1   | 1  | 47.3   | 1  | 1  
   | 46.3        | 1  | ı  | ı  | ı   | 1  | 1 1  | 43.0   | I,   | 44.0   
   | 1       | ,1   | 1  | . !  | ı  |   
  |
| eaths.   | From Diseases in Cols. 6-12.       | 18.                                       | 4.2                                      | 2:1  | 1.6  | 0.4  | 1.7  | 2.5  | 2.1  
   | 0.3  | 20<br>21   | 5.0  | 1.8   | 1.9  
   | 4.1   | 2.7  | 1.5  | 1.0  | 2.0  
   | 3.1         | 1.9  | 1.3  | 43   | 4.  | 4. 4.  | 8.4  | 1.5  | 2.2  | 2.5  
   | 2.2     | 2.6  | 5.1  | 1.4  | 1.5  | 9:6   
  |
| Week's D | From All<br>Causes.                | 17.                                       | 9.08                                     | 35.2   | 21.2   | 33.1   | 33.0   | 42.1   | 1.65   
   | 22.7   | 20.5   | 9.12   | 39.3  | 25.7   
   | 33.1  | 30.0   | 34.9   | 0.22   | 22.6   
   | 36-9        | 25.4   | 22.9   | 26.5   | 30.1  | 19.4   | 39.2   | 17.6   | 21.3   | 22.1   
   | 22.3    | 25.0   | 24.5   | 27.9   | 25.9   | 28.3  
  |
|          | Uncertifie<br>Causes of De         | 16.                                       | 107                                      | 21   | 0.7  | ı  | 1  | c.1  | 1  
   | 1  | 1  | _  | 1   | 10   
   | 67  | ଦୀ   | co   | 1  | 1  
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   | 1       | 6  | -1   | ে  | 1  | 0.1   
  |
| 'B'      | Public<br>Institution              | 15.                                       |  | 628  | 10   | 16   | 00   | 15   | 16   
   | 83   | 4  | -  | 14  | 45   
   | 7   | 13   | 16   | 1  | 2  
   | 119         | .00  | 39   | 14   | 13  | 201 0  | 0 27   | 9  | 00   | 11   
   | 53      | 26   | 23   | 12   | 00   | 26  
  |
|          |                                    | 14.                                       |  | 280  | 6  | 2  |  | o .  | =  
   | 13   | 6  | 0.3  | 10  | 15   
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   | 31          | 15   | 28   | = '  | ٥ ،   | -( 1)  | . eo   | က  | 62   | 4  
   | 22      | 20   | 00   | 10   | 22   | 12  
  |
|          | Violence.                          | 13.                                       | 223                                      | 103  | 9  | 24   | ι '  | н «  | ണ <sup>'</sup>   
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   | 1   |  | 4  | 4  | 63   
   | 20          | 10   | 07   | 64   | - ı   | <b>-</b> -                                     | H C3   | ന  | г  | 1  
   | 10      | 4  | ī0   | 1  | -  | 7   
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| -        | ,amdrraid                          | 12.                                       | 22                                       | 6  |  | ı  | , ,  | - ,  | -  
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| -        | Kever.                             | 11.                                       | 62                                       | 18   | 27   | 1  | -  | ı  | c <sub>2</sub>   
   | ~  | 1  | 1  |   | 4  
   | 1   | C/3  | Г  | -  | ı  
   | 4           | 67   | 1  | 1  | 1 -   | 1 0  | a —  | 1  |  | 1  
   | _       | 10   | 1  | c.1  | 1 1  |   
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| -        | Whooping-                          | 10.                                       | 102                                      | 28   | 7  | 1  | 1 0  | 9  | 1 -  
   | <u> </u>   | 4  | 7  | ্য  | 2  
   | 6   | က  | ı  | + "  | 1  
   | 15          | 6.3  | en 1   | 9 -  | 4   | 1 -  | н 1  | 1  | ı  | -  
   | ಣ       | ~  | 1  | 1  | 1  | 9   
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| -        | Diphtheria.                        | 9,  | 122                                      | 26   | 5  | 1  | es ,   | :  |  
   | ı  | 0.1  | t  | 1   | -  
   | ı   | 4  | -  | ı  | Н  
   | 4           | 1  | 20   | 21   | ı   | 1 <  | H 60   | - 1  | ⊢.   | -  
   | 9       | 18   | 1  | 1 1  | -  | 2/3   
  |
| 1        | Scarlet Fever                      | 8.  | 22                                       | 12   | 1  | ı  | 1  | ī  | 1  
   | 1  | ,1   | ı  | 1   | 1  
   | 1   | 1  | ಣ  | 1  | 1  
   | 9           | _  | _  | (  | 77 1  | ٦ !  | -  | 7  | 1  | 22   
   | c.1     | Н  | -  | c1   | 1  | 1   
  |
| -        | Measles.                           | 7.  | 164                                      | 19   | 22   |  | 1 -  |  | ı  
   | 1  | c2   | 6.2  | - 1   | 4  
   | 1   | 6.4  |  | ~  | ı  
   | 7           | -  | 4  | 9 0  | n 1   | ٦,   | 13   | ଦୀ   | 67   | 9  
   | 2       | 13   | 12   | 1  | e/1 (  | 9   
  |
|          | Small-pox,                         | 9   | 10                                       | ı  | ,  | 1  | ı  | 1  | 1  
   | (  | 1  | 1  | 1   | 1  
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   | i       | 1  | 10   | 1  | 1  | 1   
  |
|          |                                    | 5.  | 2243                                     | 1168   | 32   | 29   | 43   | 71   | 40   
   | 90   | 11   | 7  | 17  | 1.9  
   | 24  | 48   | 65   | 16   | 17   
   | 126         | 20   | 22   | 23.0   | 202   | , 06   | 26   | 6  | 12   | 37   
   | 42      | 46   | 15   | 22   | 14   | 22  
  |
| a        | Infants under<br>l Year of<br>Age. | 4.  | 1211                                     | 451  | 32   | 15   | <u>-</u>   | 33   | 14   
   | 67   | 25   | 11   | 22  | 99   
   | 26  | 25   | 33   | 10   | 6  
   | 82          | 19   | 47   | 27 F   | 7 7   | <b>1</b> °                                     | 22   | 20   | 6  | 11   
   | 41      | 36   | 28   | 15   | 15   | 77  
  |
|          |                                    | 60  |  | 3067   | 124  | 81   | 78   | 154  | 96   
   | 140  | . 72   | 55   | 19  | 254  
   | 72  | 123  | 160  | 22   | 20   
   | 449         | 62   | 239  | 111  | 10  | 69   | . 8  | 35   | 40   | 100  
   | 181     | 173  | 011  | 78   | 53   | 124   
  |
|          | BTHS.                              | ¢4  |  | 0881   | 103  | 41   | 42   | 9  | 44   
   | 119  | 62   | 47   | 52  | 244  
   | 59  | 88   | 118  | 533  | 22   
   | 347         | 16   | 202  | 108  | 200   | £0   | 8 8  | 22   | 38   | 89   
   | 195     | 218  | 131  | 109  | 8/   | 021   
  |
|          | niddle of hiddle of 1899.*         | 1 .                                       |  |  | 300,241  | 127,759  | 123,226  | 190,741  | 100,637  
   | 320,911  | 185,826  | 103,722  | 88,821  | 514,956  
   | 113,266   | 213,851  | 239,384  | 106,401  | 115,162  
   | 634,212     | 162,221  | 543,902                                      | 218,244  | 277,001   | 180,081  | 117,622  | 103,464  | 97.721   | 236,241  
   | 423,889 | 361,169  | 234,270  | 145,613  | 106,552  | 228,625   
  |
|          |                                    | ols.                                      | 1  | 1  | 1  | 1  | 1  | 1  | 1  
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  |
| CILIES   | AND<br>BOROUGHS,                   | CC  | 33 TOWNS                                 | LONDON -   | WEST HAM -   | CROYDON -  | BRIGHTON -   | PORTSMOUTH .   | PLYMOUTH -   
   | BRISTOL -  | CARDIFF -  | SWANSEA -  | WOI.VERHAMPT  | BIRMINGHAM   
   | NORWICH -   | LEICESTER -  | NOTTINGHAM   | DERBY  | BIRKENHEAD   
   | LIVERPOOL - | BOLTON -   | MANCHESTER                                   | SALFORD  |   | NO   |  | HUDDERSFIELI   | HALIFAX† -   | BRADFORD† -  
   | LEEDS   | SHEFFIELD -  | HULL -   | SUNDERLAND   |  | NEWCASTLE -   
  |
|          | estimated and week's Deaths.       | See 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 11,404,408 679 679 679 679 679 679 679 679 679 679 | The continued   Colors   Col | The continued   Color   Colo | Cols.   Lance   Lanc | Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Cols.   Light Add   Light Add   Cols.   Light Add   Cols.   Light Add   Light Ad | Cols.   Light   Cols.   Light   Cols.   Light   Cols.   Light   Cols.
  Cols.   Cols | Cols.   Librara   Librara   Cols.   Librara   Librara   Cols.   Librara   Librara   Cols.   Librara   Librara   Cols.   Librara   Librara   Cols.   Librara   Librar | Cols.   Listope   Cols.   Li | Cols.   Light   Cols.   Light   Cols.   Light   Cols.   Light   Cols.   Cols | Cols.   Light State   Light | Cols.   Listopeed   Cols.  
Listopeed   Cols.   Listopeed   Cols | Cols.   Light Cols.   Cols. | Cols.   Lance   Cols.   Lanc | College   Coll | Cols.   Listable   Cols.   Cols. | Color  
Color   Colo | Cols.   1,  | Cols.   L.   2.   Cols.   Co | Cols.   1.   2.   2.   2.   2.   2.   2.   2 | Cols.   1, 1, 2, 3, 4, 4, 5, 6, 1, 6, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | Cols.   Linch State   Linch | Cols.   1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, | Cols.   L.   2   3   4   5   5   5   5   5   5   5   5   5 | Cols.   Lange   Cols.   Lang | Cols.   Lance   Cols.   Lanc | Colonia   Colonia
  Colonia   Colo | Column  | Color   Colo | Column   C | Color   Lambday   Color   La | Color   1.   Color   1.   Color   1.   Color   1.   Color   Color   1.   Color   Col | Column  
Column   C |

TABLE 2. LONDON .- Births and Deaths Registered in the FIFTY-SECOND Week of each of the Eleven Years, 1889-99.

TOTAL Births	1889 1815	1890 1771 873	1891 3181 1652	1892 2120 1063	1893 2106 1063	1894 1950 1061	1895 1501 758	1896 	1897 2363 1197	1898 2215 1154	Corrected Weekly Average in 10 Years 1889-98.* 2193.8	1899
Females	888	898	1529	1057	1043	889	743	925	1166	1061	1073-1	930
Total <b>Deaths</b> -  Males  Females	1690 869 821	2231 1069 1162	3399 1640 1759	1830 969 861	1920 910 1010	1434 775 659	1502 775 727	1279 648 631	2360 1195 1165	1593 828 765	2024·1 1018·3 1005·8	3067 1485 1582

The numbers in this column are the average weekly numbers in the fifty-second week of the ten years 1889-98, raised by 5°213 per cent. for increase of population.

TABLE 3. LONDON.—BIRTHS, DEATHS, METEOROLOGY, and CASES of INFECTIOUS SIGKNESS

*.1	in Ho	SPITA	.LS, 11	the l	last 1	HIRT	EEN \	VEEK	S.				
100	Oct.	Oct. 14.	Oct. 21.	Oct. 28.	Nov.	Nov.	Nov. 18.	Nov. 25.	Dec.	Dec.	Dec. 16.	Dec. 23.	Dec. 30.
TOTAL Births	2540	25491	2529	2495	2613	2711	2674	2556	2439	2339	2269	2585	1880
TOTAL Deaths	1564	1637	1567	1844	1626	1506	1528	1526	1695	1957	2078	2607	3067
$\begin{array}{c} \textbf{Ages at} \\ \textbf{Death} \\ \textbf{Death} \\ \end{array} \begin{bmatrix} \textbf{Under 1 year} & - & - \\ 1-5 & \text{years} & - & - \\ 5-20 & \text{years} & - & - \\ 20-40 & \text{years} \\ 40-60 & \text{years} \\ 60-90 & \text{years} \\ 80 & \text{years} \\ \text{and } \textbf{upwards} \\ \end{bmatrix}$	316	333 182 89 238 330 378 87	318 159 92 222 342 352 82	376 203 118 269 391 391 96	352 197 86 206 363 339 83	334 215 116 218 280 274 69	355 180 93 214 318 300 68	331 226 94 193 305 312 65	388 209 74 227 351 349 97	406 247 117 225 405 446 111	427 251 110 256 426 476 132	429 272 105 303 551 744 203	451 261 125 359 703 928 240
Deaths from— Small pox Measles Scarlet Fever Diphtheria Whooping-cough Typhus Enteric Fever Simple Continued Fever Diarrhœa and Dysentery	21 7 55 10 - 19 - 53	20 9 56 10 - 21 - 49	26 6 6 6 6 15	34 14 59 10 - 40 -	33 7 39 14 - 29 - 22	- 42 14 68 11 - 51 - 13	29 6 58 9 - 55	44 13 43 16 - 29 -	43 · 8 · 52 15 - 26 - 7	59 15 43 20 29 14	1 57 9 55 36 - 13	58 11 54 31 - 36 -	- 64 12 56 28 - 18 - 9
Cholera All the above Diseases -	$\frac{2}{167}$	165	138	175	145	199	175	155	151	180	185	202	
Dis. of Respiratory System—Phthisis—Dis. of Circulatory System—Violence——Inquest Cases——Deaths in Public Institutions—	215 173 157 71 148 501	275 180 170 75 144 541	306 203 139 79 153 558	477 203 173 63 185 577	418 157 122 54 122 507	325 133 107 75 144 509	324 141 148 57 134 494	350 153 141 61 154 485	430 177 143 66 155 532	548 190 165 76 188 603	646 225 172 81 203 578	968 208 278 107 263 700	187 1172 239 271 103 280 859
TEMPERATURE OF THE AIR.  Mean Mean of Highest readings - Mean of Lowest readings -	49·3 56·6 42·6	47:3 58:9 36:2	47:4 56:6 39:4	51.8 57.4 45.9	53·2 59·1 47·1	50.9 56.2 45.4	45.9 51.3 39.9	45.5 49.0 40.6	45°3 50°5 '39°4	41.9 46.6 37.9	29·9 34·2 23·7	34.7 38.5 30.3	38·8 43·3 33·4
Humidity of the Air	86	82	82	90	83	78	. 84	80	82	87	73	92	84
Rain-fall (in inches)	0.20	0.12	0.00	1.30	1.81	2.33	0.00	0.00	0.29	0.46	0.05	0.08	0.59
Registered Sunshine (in hours)	12.2	38.9	43.3	7.8	22.5	20.9	8.4	0.0	8.2	10.0	7.4	0.7	6.2
CASES OF INFECT	CIOUS S	SICKN:	ESS IN	Hose	ITALS	* AT Ţ	HE EI	ID OF	EACH	WEE	Κ,		
Small-pox	3003 1519 275	3217 1595 308	3408 1659 331	3504 1700 342	3539 1715 407	3564 1692 426	$\begin{bmatrix} 1\\3578\\1736\\443 \end{bmatrix}$	3503 1761 448	3445 1735 461	3290 1730 460	3084 1720 452	2916 1701 420	2881 1693 406

The Metropolitan Asylum and London Fever Hospitals.

METEOROLOGICAL OBSERVATIONS.—(See TABLE 1.) The following gentlemen have kindly placed their meteorological observations at the disposal of the Registrar-General, and the results have been compiled by J. Glaisher, Esq., F.R.S.:—B. H. Mumby, Esq., M.D., Portsmouth; Arthur Newsholme, Esq., M.D., Brighton; A. W. Preston, Esq., F.R. Met. Soc., Norwich; John Merrifield, Esq., LL.D., Plymouth; R. C. Cann Lippincott, Esq., Bristol; E. Simpson, Esq., Wrottesley, Wolverhampton; Arthur Brown, Esq., M.Inst. C.E., and P. Boobbyer, Esq., M.B., Nottingham; E. Plummer, Esq., F.R.A.S., Liverpool; H. O. Pilkington, Esq., M.R.C.S., Preston; A. Johnson, Esq., M.Inst. C.E., Bradford; and Mr. E. Peak, Hull.

LONDON .- DEATHS Registered at several groups of AGES from different CAUSES in the BLE 4.

				Fi	FTY	-SE	COI	ND	We	ek of the Year 1899.								
	s for the	Sat	In turds	ths	Week th Do	rson			-		es for the	Sat	turda	y, 30	th D	ersor	ber l	899.
ISES OF DEATH	Corrected Averages 52nd Week of the 1889-98*,	ALL AGES.		1-2.	1	and under 40.	40 and under 60.	and und	80 years and upwards.	CAUSES OF DEATH	Corrected Averages 52nd Week of the 1889-98*,	ALL AGES.		nder 20.	5-20.	20 and under 40.	nder	60 and under 80.
USES	2024.1	3067					- 1	-	-	Diseases of Circulatory System	174.7	271	-	2	13	35	77 1	27 1
Vaccinated† Unvaccinated No Statement Fever	0.1 0.1 75.1 16.5 0.2	- 64 12 -	- - - 11	- - 47 11	5			1	-	Croup Bronchitis Pleurisy Other Diseases of Res- piratory System -	5.7 372.5 149.8 8.3 49.6	1 727 334 17 93	76 77 1 4	33 64 1 6		27 40 2 7	7	52 9 62 4 41
ing Fever 12a - 12	24'3 58'5 49'1 0'6 16'4 0'1 14'1 0'3 0'1	193 28 56 + 18 - 9	8 4	5 18 28 - - 1		15 3 - 7 -	63 1 - 5 -	76	30	Dentition Quinsy, Sore Throat - Enteritis Gastro-enteritis - Peritonitis - Diseases of Liver - Other Diseases of Digestive System	11.6 1.2 11.2 { 5.8 22.3 31.4	10 1 14 8 4 34 37	6 5 5 - 2 7	4 - 2 - 2 - 2	1 2 - 2	- 2 - 2 3 9	- 1 1 18 6	- 2 1 1 10 9
phobia	0·1 8·7 5·9	14 2	- 5	1		- 3	- 4 2		- 1	Diseases of Lymphatic System & of Ductless Glands	3.6	5		-	1	1	-	3
ia and Septicemia eral Fever Zymotic Diseases	2.4 5.7 1.4	3 4 2	2 - 1	-1	_	1 4 -	-	113		Diseases of Urinary System	53.2	72		2	3	14	20	31
h	0·5 0·7	-			-				-	Diseases of Generative } System Accidents of Childbirth-	5.7	2 6	-	-	-	1 5	- 1	1
ation, Want of ast-milk -	2·4 12·2	1 33	1	-	-	- 9		- 3	-	Diseases of Locomotive System   Diseases of Integumen-}	6.5	3	- 2		1	1	-	-
matic Fever, umatism of Heart matism ir i Mesenterica cular Meningitis - is ula, Tuberculosis - Constitutional cases	7.5 2.4 3.7 4.9 65.5 19.7 22.1 182.6 18.7	11 1 5 2 101 4 177 2399 18 16	- 1	-	5 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 1	4 - 2 - 6 - 102 4 4	2 - - 45 - 96 2	1 1 42 - 14 1 4	7 - 1 - 2	tary System- VIOLENT DEATHS.  (ACCIDENT.)  By Railways - By Vehicles or Horses - In Ships, Boats, Docks, (exclusive of Drowning) - In Building Operations - In Conflagrations - By Burns, Sealds, Explosions -		5 5 1 1 5		2	1 2	21 - 1	1 2 1	1 1 1 2 2
ature Birth ctasis enital Malforma- ls lge	6.0	65 6 12 96	65	3 -	1 1		-	50	- - 46	By Drowning By Suffocation in Bed By Poisonsor Poisonous Vapours Other or not stated causes -		36	25	1	2	1 6	10	- - 8
olexy ppsy ulsions r Diseases of Brain l Nervous System	8.4	61 17 24 115		- 1		-	3 14 5 - 3 33	7	-	(VIOLENCE OTHER THAN ACCIDENTAL).  Homicide Suicide Execution	1.7			1 1 1		- 3 -	4	- 1
ases of Organs of ecial Sense -	31	1	-		1 -	1.	-	-		OTHER CAUSES -	1	78	_	_	1	-	5	4

The numbers in this column are the average weekly deaths for the ten years 1889-98, raised by 5°213 per cent, for increase appulation.

Only those cases of small-pox are returned as "vaccinated" or as "unvaccinated" which are so certified by registered iteal men. When the medical attendant does not certify that the deceased has, or has not, been vaccinated, or when the so of death is not certified by a registered practitioner, the case is returned under the heading "no statement." the evidence at inquests is often insufficient to enable the Coroner to certify whether a violent death be the result of lent, murder manslaughter or suicide. All such causes are classed under "accident."

Table 5. LONDON.\*—Population; Births; Deaths from all Causes, and from Small-pox, Mi Scarlet Fever, Diphtheria, Whooping-cough, Fever Diarrhea, Violence, &c., registered in

				T			The	DEA	rnsr	egiste	red d	uring	the W	eeki	nclu	de	
	Enume-			De	athso	f				Deat							1
	rated			Br.	ears	-	1	1		1	1	10	pe	1	1		
REGISTRATION SUB-DISTRICTS.	Popu-	89	IS.	r 1 Ye	¥ 0.					ugh.		Typhoid	Continued				
	1896.	ВІВТИВ	EATI	nts unde	nsaged 60	pox.	20	Fever	eria.	ing-co		or		B	9.	Cases	
		Total E	Total DEATES	Infants under	Persons aged 6	Sriall-pox.	Measles	Scarlet Fever	Diphtheria	Whooping-cough	Typhus	Enteric Fever.	Simple	Diarrhoea	Violence,	Inquest Cases	
			1	l	Ì		1	1 02	]	1	1	1	1 00			1	1
LONDON -	4,411,710	1,880	3,067	451	1168	-	64	12	56	28		18	_	9	103	280	85
WEST DISTRICTS NORTH DISTRICTS	778,251 1,040,694	243 418	528 734	67 94	208 308	3	18	3 4	7 16	3 6 2 7	-	3 5 1	-	3	18 29	53 68	152 208
CENTRAL DISTRICTS EAST DISTRICTS SOUTH DISTRICTS	233,635 716,334 1,642,796	79 417 723	157 499 1,099	20 95 175	178 178 422	3	2 7 31	- 2	2 1 30	7	-	1 2 7	-	- 5	5 16 34	14 64 80	153 24
METROPOLITAN HOSPITALS AND ASYLUMS OUTSIDE }		-	50	-	12	ì	-	3	-	-	-	-	_	-	1	1	5(
REGISTRATION LONDON* )					-	-		_			-			_	-		-
WEST DISTRICTS.																	
$ \begin{cases} \text{St. Mary Paddington} \\ WHH \\ \text{St. John Paddington} \end{cases}  G. \& W. $	90,996 33,510	37 1	60 17	10 1	24 8	-	-	-	- 1	1	-	-	-	-	1 5	5	19
Kensington Town $Ww - W$ . Brompton $HH - W$ .	122,164 48,301	36 4	80 23	9	38 9	-	-	-	- 1	1 1	-	-	-	1	2	7	26
North Hammersmith $\dagger H$ South Hammersmith $\dagger H$ W. & G $\dagger$ Fulham $Ww$ W. & C.	44,638 59,5 <b>6</b> 1 113,781	21 21 55	25 24 93	8 6 17	9 7 21		- 13	3	- - 4	- 1		- 3	-	1	2 - 3	5 1 10	3
Chelsea Kensal Town - C. Chelsea North WHHHH - C. Chelsea South HH C.	21,450 42,057 33,139	9 16 7	11 40 17	2 3 1	5 15 11		31	111			-	-		-	-	2 3	18
May Fair $W$ G. Belgrave $WHHH$ C. St. John Westminster $HH$ - C.	23,827 56,140 31,492	3 10 11	46 34 24	1 1 3	26 19 6		- 1	1 1	2	1	-	-	7 - 1	-	1 2	1 3 3 2	39
St. Lames Westminster H- C.	22,097	1	. 16	1	3	-	-	-	-	-	-	-	-	-	-	2	7
WH St. Anne Soho HHHHH - N.	23,050 12,048	8	12 6	2 1	5 2	-	-	-	-	-	-	-	-	1	2	4	6
NORTH DISTRICTS,							1										
All Souls Marylebone HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	36,595 19,798	7 6	32 14	6	8	-	1	-	1	-	-	-	-	-	3	5	16
$\left. \begin{array}{c} \text{St. Mary Marylebone} \\ HHHHH \end{array} \right\} = \left. \begin{array}{c} \text{G. \& W.} \end{array} \right $	19,637	24	12	4	3	-	-	-	-	-	_	-	-	-	-	2 -	4
Christchurch Marylebone H - W St. John Marylebone HHH - W.	32,547 32,611	$\begin{bmatrix} 12 \\ 6 \end{bmatrix}$	13 20	2 4	4 10	-	-	-	-	-	-	-	-	-	1	1 3	/_
$ \begin{array}{c} \text{Hampstead} \\ WwHHHH \end{array} $	75,449	28	53	6	13	-	-	2	8	1	-	4	-	-	1	1	23
Regent's Park Paneras HH - W. Tottenham-court } - N. & W.	37,341	11	22	3	11	-	-	-	-	-	-	-	-	-	-	_	1
	26,757 29,426	9	23 24	6 5	5 11	-	1	-	-	-	-	-	-	-	2 4	5 <b>5</b>	9
Gray's Inn Lane $HHHH$ - N. Somers Town $HH$ N. Camden Town $WH$ - N. Kentish Town $WW$ - N.	32,161 16,669 98,410	12 12 35	23 36 62	1 5 4	11 24 25	-	-	-	-	-	-	-	-	-	1	2	7 7 28 11
Upper Holloway WWWWWHH } N.	98,273	34	115	7	55	_	1		1	1	-	-	-		5	9	69
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	107,365 66,549 64,577	43 29 31	67 41 40	14 5 5	28 20 15	-	2	1	- 1	-		1	-	-	3 1 2 3	7 6 4 5	1 - 2
Stoke Newington $H$ - N. North Hackney - E. & N. Central Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N.	33,485	16	15 23	2 1 6	10 10	-	-	-	-	-		-	-	-	-1	-	_
South-west Hackney $ww$ - E. & N. South-west Hackney $HHH$ E. & N. South-east Hackney $WwH$ E.& N.	213,044	$ \left\{\begin{array}{c} 21 \\ 28 \\ 24 \end{array}\right\} $	26 29 44	6 4 4	7 12 21		-	1	5	1 2		-	-	1 -	1 1	4 2 3 4	6 4 19

Note.—The Italic letters placed against the names of the sub-districts denote Public Institutions situated ther namely: W—Workhouse belonging to the District or Union; w—Workhouse belonging wholly or partly to other District or Union; w—Workhouse belonging wholly or partly to other District or Union; w—Workhouse belonging wholly or partly to other District received. The Roman capitals signify the Water Companies which supply the different Sub-districts:—G. signify the United Company; we west Middlesex; C. Chelsea; S. Southwark and Vauxhall; L. Lambeth; N. N. See note † on first page of this Return.

\*See note † on first page of this Return.

The Sub-Districts of St. Paul Hammersmith and St. Peter Hammersmith were re-arranged on 1st April, 1899 and were named North Hammersmith and South Hammersmith, respectively.

5 5. LONDON.—Population; Births; Deaths from All Causes, and from Small-pox, Measles, ARLET FEVER, DIPHTHERIA, WHOOPING-COUGH. FEVER, DIARRHEA, VIOLENCE, &c., registered in each

				_		1	Th	e D E	THS	regis	tered	durir	gthe	Weel	kinsl	ude		
	Enume-			<u> </u>	thsof	_			1	Death	s fro	m					ntions	of
GISTRATION SUE-DISTRICTS	rated Popu- lation 1896.	Total BIRTHS,	TotalDEATHS	Infantsunder 1 Year of Age,	Personsaged 60 Years and upwards.	Smail-pox.	Measles.	ScarletFever	Diphtheria.	Whooping-cough.	Typhus,	Enteric (or Typhoid) Fever.	Simple Continued Fever.	Diarrhœa,	Violence	Inquest Cases	Deaths in Public Institutions	Uncertified Causes
CENTRAL DISTRICTS.																		
asbury and St. Giles $\{H^*, W^*H^-\}$ - N. les North $\{H^*, H^*\}$ - N.	29,086 9,151	12 3	14 5	2 2	6	-	-	-	-	-	-		-	-	1	1	2	-
rtin-in-the-Fields HHN.&C. d WHH N. d Union Workhouse, Edmonton	13,077 11,839 +1,037	1 4 -	15 13 1	22 -	2 3 1	-	1 - -	-	1	-		1 -		-	1 - -	1 1 -	8 7 1	- 1 -
orn wHHHHHHH - N. mes Clerkenwell - N. ell Clerkenwell - N. ell-street - N. eoross-street	31,042 15,777 34,356 16,069 29,897 7,595 4,035 †892	7 3 10 7 27 2 2 -	19 8 15 8 17 1 - 4	4 2 3 1 2	5 3 4 1 7 - 4	1111111	1	-	1	ī .	FILIFIE	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1111111	1	3 1	6 - 1 - 4	1 1 1 1 1 1 1
otolph‡ HH N.&E. elegate N. pulchre WH N. flows Barking N. fLondon Asylum, Stone	9,762 3,299 9,591 9,059 †388	3	4 2 27 1 3	11111	$\frac{1}{6}$	-		-		- 1 -	11111	11111		14111	- 2	5 -	- 16 - 3	
EAST DISTRICTS.							2.											
$\begin{array}{llllllllllllllllllllllllllllllllllll$	17,975 29,575 27,645 47,163	4 14 22 26	7 18 13 45	2 1 2 7	2 8 3 17	- - -	71111	-	- 1 -	-		1-1-1-1			1 1 2	3 3 4	1 6 - 22	1 1 1 1
nal Green North $H$ - E. nal Green South - E. nal Green East $WWHl$ - E.	49,301 34,194 45,667	25 19 21	29 14 30	7 6 4	6 2 13	, - - -	- 1	-	1 1 1	- 1		1 -	-	-	3	3 - 4	12	1 1 -
dfields E. & N. End New Town§ $WH$ - E. man's Fields§ E.	26,681 } 51,995 {	19 25 10	8 54 10	4 8 2	2 11 3	1 1 1	1	1 1 1	1 1 1	1 1 1	-	- 1 -		111	3 -	3 7 1	47	
eorge, North E. hn, St. George East W E.	39,576 7 930	37 15	19 15	7 3	4 3	1.1	2	1-1		1,1	-	-	>	-	1	2 3	9	
	10,434 14,954 32,917	4 7 17	10 14 13	5 4 3	3 4	1 1 1		111		1	=		1-1-1		1 -	1 3 1	8 -	
End Old Town West H E. End Old Town East - E.	} 111,060	{ 38 29	31 51	5 8	17 27	1 1	ī	-	1	2		-	<u>-</u> '	-	1	22	17	-
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	41,687 69,821 57,759	30 25 30	26 52 40	8 6 3	7 24 17	1 1 1	2 -		1 1 1	1 2		-		-	1	4 10 8	20 7	-

The Sub-Districts of St. George Bloomsbury and St. Giles South were united on 1st November 1899, and re-named
Bloomsbury and St. Giles South.
† Population in 1891, not included in the total population of the Central Districts or of London,
‡ The Sub-Districts of St. Botolph and Broad Street were united on 1st September 1899.
Whitechapel Church Sub-District was abolished on 1st January 1899, and divide 1 between Mile End New Town Sub-District and Goodman's Fields Sub-District.

TABLE 5. LONDON.--POPULATION; BIRTHS; DEATHS from ALL CAUSES, and from SMALL-POX, ME SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHERA, VIOLENCE, &c., registered in SUB-DISTRICT during the Week ending Saturday, 30th December, 1899—continued.

							The	DEAT	HSre	giste	red d	uring	the W	eeki	nclud	le	
	Enume-			Dea	thsof				1	Death	s fro	m					-
REGISTRATION SUB-DISTRICTS	rated Popu- lation, 1896.	TotalBlRTHS.	Total DEATHS.	Infantsunder 1 Year of Age.	Personsaged 60 Years and upwards.	Small-pox.	Measles,	ScarletFever,	Diphtheria.	Whooping-cough.	Typhus.	Enterio (or Typhoid)	Simple Continued Fever.	Diarrhœa.	folence.	InquestCases.	and the state of t
SOUTH DISTRICTS.  Christchurch Southwark WHL.&S. St. Saviour Southwark - S. & L. Borough-road WH - S. & L.	13,064 12,301 22,879 16,083	6 4 14 6 5	9 5 21 12	4 - 3 1	1 2 4 4	1111	- 2	1431	-	2	11.11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1111	1	2 -	The second secon
London-road HL - L. & S. Trinity Newington - S. & L. St. Peter Walworth W - S. & L. St. Mary Newington - L. & S.	21,316 28,723 62,045 30,171	18 37 21	9 39 27	3 1 3 2 6 7	3 17 14	1.1.1,44	3 1	1111	1113	1 1 2 1	1 1 1 1	1 1 1 1	1 1 4 31	1	1	1 1 3	
St. Olave $WH^{\perp}$ S. Bermondsey $W$ S. Rotherhithe $Ww$ - S. & K.	11,731 85,475 40,379	6 38 23	21 44 33	5 9 8	1 12 9	1.4.1	i		1	-	1,1,1,1			1 1 1	5 2 -	5 -	1
Waterloo-road <i>HH</i> - L. & S. Lambeth Church 1st <i>H</i> - L. & S. Lambeth Church 2nd <i>WW</i> L. & S. Kennington 1st <i>H</i> - S. & L. Kennington 2nd - S. & L. Brixton <i>W</i> - L. & S. Norwood <i>WH</i> L. & S.	28,396 18,770 40,994 52,486 43,244 81,825 29,318	15 15 27 33 11 31 9	23 30 39 29 23 43 20	5355483	6 7 20 16 10 17	1111111	1 - 1	171111	2 -	1	THE FEE	1 - 1 1	TIBLER	118111	1 3 - 2 2	2 6 1 5 2 3 -	4464
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	71,730 93,385 46,953 58,101 20,566 61,644	26 37 18 26 10 23	49 73 31 33 6 47	10 9 6 9 - 9	13 30 11 13 2 18	111111	17 2 - - -	4 1.1 1 1	1 1 - 6	1 1 1	111111	3		1 1	1 - 1 - 2	3 6 2 4 2 2	1
Dulwich L. & S. Camberwell Wwll - S. & L. Peckham WW - S., L., & K. St. George Camberwell - L. & S.	7,519 90,286 88,242 67,029	26 40 29	3 77 54 34	- 4 5 9	2 43 27 12		i		1 -					- 1 1	1	2 4 1	4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	36,152 45,441 33,402 23,012 37,767	23 14 6 5 29	19 23 15 7 43	4 5 - 6	7 4 9 2 17	1.1 1.1.1		1	1	1 - 1		1,1,1,1,1	11111	11,111	1 - 2	1 2 3	P.5
Eltham $wH$ K. Lee $H$ K. Lewisham $WwH$ K. Sydenham $H$ L.	5,911 24,222 38,139 37,601	2 9 20 7	11 42 17	1 3 5 3	- 5 20 8			- 1 -	6	- - 1			-	1 1 1 1	- 1 -	- 2	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	15,928 19,355 21,959 16,714 42,538	5 9 9 5 24	10 7 21 4 35	$\frac{2}{2}$	2 1 4 1 13	1-1-1-1		1111	51				- 1	11111	3 -	1 5 1 2	1
Banstead Asylum Horton Asylum, Epsom Caterham Asylum Cane Hill Asylum Hospital Ships and Camp, Dartford Darenth Asylum - London County Asylum, Dartford Heath	111111		6 1 2 11 - 1 5	111111	1 1 1 1 1	11111		11111	1 144411	11111	1,11111		111111	111111	1	1111111	1
Hanwell Asylum		-	7 3 4 10		1 2 4	111111	111111	- 3			111111	11111	11111	111111	111111	111111	1

.—LONDON.—OUTER RING (excluding DEATHS of LONDONERS in METROPOLITAN WORKHOUSE SPITALS, and ASYLUMS).—AREA; POPULATION; BIRTHS and DEATHS registered during the Week ling Saturday, 30th December, 1899.

	7		1 4	1	-		The	DEA	THS	egist	ered i	n the	Week	incl	ide		
		Enume-		rô	Deat	hsof		1	1	Death	stron	n	- 14			0	20
REGISTRATION SUB-DISTRICTS.	Area in Aores.	rated Popu- lation, 1891.	BIRTHS.	DEATHS	Infants under 1 Year of Age.	Persons aged 60 Years & upwds.	Small-pox.	Measles.	ScarletFever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.	Violence.	Inquest Cases.	Deaths in Public Institutions.	Uncertified Causes of Death
DON-OUTER RING	368,749	1,422,063	750	953	190	393	-	11	5	24	10	4	2	18	76	86	11
Carshalton H Epsom, part of WwHH -	12,228 10,423	26,108 12,508	9	16 10	2 -	4 3	-		ī	1	-	-	-	-	2	5	-
Godstone, part of W -	2,754	1,598	1 -	-	-	-	-	-	-	-	-	-	-	-	-	-2	-
Croydon WwHHH Mitcham w	20,851 11,697	128,699 23,072	48 14	91 16	16 4	35 8	-	1 -	-	=	-	-	-	2 -	7	19	ī
Wimbledon $HHH$ Kingston $WH$ Surbiton $H$ Esher, $part of^* HH$ Hampton $HL$	3,220 14,672 4,565	$\left\{\begin{array}{c} 25,777\\ 33,556\\ 12,178\\ 11,080\\ 18,252 \end{array}\right.$	14 20 1 4 6	20 17 8 1 8	5 3 1 - 5	8 10 4 1	1111		11111	- 1	11111	1	11111	1	5	1 - 1	11111
Richmond WH Mortlake H	2,160 2,823	25,389 16,159	11 7	28	2	15 3	-	2 -	-	-	-	-	17	2 -	3	10	-
Bromley HHH Beckenham H Chislehurst, part of * WHH	9,127 6,542 14,307	23,815 21,969 20,372	13 -7 12	17 9 12	111	8 7 8	- 1 - 1	111		111	1	111	111	111	1111	3	111
Bexley HHH	12,540	30,590	17	17 2	6	8 2	-	-	-	-	-	-	-	-	-	2	-
Sunbury w Staines WH	11,054 13,277	13,671 13,221	5 6	6 4	1	1 3	1-1	1 -	-	1 -	=	-	-	-	=	-	
Hillingdon $WHH$ Uxbridge Hayes $wH$	6,035 12,757 7,952	12,237 7,253 11,051	6 4 6	9 3 9	2 - 4	522	1-1-15	1.1.1	1111	1.1.1	- 1	111	111	1 11 1	111	111	1 -
Isleworth $WHH$ Twickenham $HH$ Brentford $HHHH$ Chiswick Acton $wHH$	6,967 2,415 4,318 1,245 6,132	26,004 16,027 37,777 21,963 30,945	16 10 15 11 10	26 11 18 8 18	5 4 4 - 6	11 4 7 7 7	11111	11111	FIFTE	1 -	1	11111	11111	- - -	1 2 5 - 1	3 - 1	2
Harrow $HHH$ Edgware $HH$ Willesden $HHH$ Hendon $WH$	13,809 6,994 4,383 8,382	15,715 3,844 61,265 15,843	7 2 46 11	10 2 42 12	3 -7 1	6 1 18 6	1111	1111	- 1 -	1 -	11111	1111	1	1	2 - 2 -	1 2	1111
South Mimms HH Barnet WHH Finchley HHH	} 21,077 4,688	{ 6,367 14,152 25,820	2 8 3	2 4 8	1 2 2	1 3	1-1-1	111	1 1 1	111	111	111	111	111	1 -	1 -	1.1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3,039 4,642 7,489 12,602 11,017 8,480	61,097 97,174 36,351 31,536 6,066 9,620	24 53 32 7 1 9	38 65 47 17 7	5 16 6 6 2 2	23 30 24 4 4 3	111111	1	1111	2 1	4	111111	111111	- 2	4 4 8 1 1 -	271	1 3 - 1
Hatfield, part of * W Bushey H Watford WH, part of * -	3,306 9,331	582 7,737	6	5 -	2 -		1 1 1									1 11	F 1 1.
Stratford $H$ Plaistow $HHH$ Canning Town $H$ Forest Gate $w$ East Ham $wHH$ Leyton $WWWH$ Walthamstow $HHHL$ - Chigwell, $part$ of $^*$ $HHHH$ Epping $WH$ , $part$ of $^*$	3,266 4,334 6,501 11,779	\$\begin{cases} -38,612 \\ 58,030 \\ 54,750 \\ 53,511 \\ 32,713 \\ 70,188 \\ 57,330 \\ 12,941 \end{cases}	14 32 37 20 46 29 48	25 30 40 23 29 57 50 6	6 10 11 5 5 8 12	11 6 7 6 11 24 16 2	11111111	1 1 1 2 2	III III III III	1 3 1 2 - 5 1 1	1 2 -	1 1 - 1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	3 - 3 - 2 1	4 1 3 6 4 1	2 2 - 18 - 1	1 - 1
Romford, part of * WH - Hord Barking Town, H Middlesex County Asylum, Wandsworth.	6,556 8,493 3,814	4,324 10,913 14,301	2 15 17	5 12 15 2	1 4 -	4 6 3 1	1111	1111	1 111 1	- - 1	1111	1111	1111	1111	3	1 - 2	LITT
Middlesex County Asylum, annexe. Streatham.	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-

the parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring follows:—39:2, Epsom sub-district, except the parish of Ashtead (pop. 1,351); 37:1, the parishes of Warlingham arley in Godstone sub-district; 39:3, Esher sub-district, except the parish of Esher (pop. 2,282); 41:3, Chislehurst istrict, except the parishes of Ohelsfield, Cudhum, and Knockholt (pop. 3,997); 135:1, the parish of Northaw in 101 sub-district; 187:1, Chigwell sub-district; except the parish of Theydon Bois and part of the parish of Epping (1979); 189:1, the parish of Dagenham in Romford sub-district; also deaths in Workhouses and Hospital for clous Diseases belonging to the Outer Ring in 42:2, Dartford; 137:2, Watford; and 187:2, Epping sub-districts,

TABLE 7,-GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS).-DEATHS an Rate of MORTALITY during the week ending Saturday, 30th December, 1899,

1					L RATE	1		The DI	CATH	8 regi	stered	lintl	ne We	ek in	elude	
	GREATER	Area	Population estimated		RTALITY 00 living.	DEATHS		ths of	1			Deatl	as from	n		***
	LONDON.	in Acres.	in the middle of the year 1899.	From All Causes.	From Diseases in Cols. 8-14.	from ALL CAUSES.	Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Soarlet Fever.	Diphtheria.	Whooping-	Fever.	Diarrhosa.	Triotonos
	Cols.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10	11.	12.	13.	14	1
GRE	ATER LONDON	443,421	6,528,434	32.1	1.9	4020	641	1561	-	75	17	80	38	22	11	12
In	NNER LONDON -	74,672	4,546,752	35.2	2.1	3067	451	1168	-	64	12	56	28	18	9	10:
0	UTER RING -	368,749	1,981,682	25.1	1.5	953.	190	393	-	11	5	24	10	4	2	13

NOTE.—The area of Greater London is 443,421 acres. This area is equal to 692.845 square miles, which is equivale the area of a circle having a radius of 14.851 miles.

TABLE 8.—BIRTHS and DEATHS and Rate of MORTALITY in EDINBURGH, GLASGOW, DUBLIN and in certain FOREIGN CITIES.

1-1-1-1			апи	in certain	FOREIGN	CITIES.				4	1917	0.51
	POPULATION	D	ATE			ANNUAL	DE	ATHS		M PRI DISEA	SES.	L ZYM
CITIES,	(enumerated		ETURN.	BIRTHS.	DEATHS.	DEATH-	OX.	100	t	ria	Whooping-	1 :
Offices	or estimated).	Week	ending	Exclusive	of Stillborn	per 1000	11-p	Measles.	Scarlet Fever.	the	opi	Fever.
	esumateu).			1 3 3 3		living.	Small-pox.	Me	Sc	Diphtheria	<b>У</b> во со	H
	1						1 02	1	1	1 4.	1	1
EDINBURGH -	298,927	Dec.	30	1 1	-	- 10	-	-		-	-	1-
GLASGOW	733,903	99	30	- 1	1 - 1 1	- 1	-	-	-	-	-	17
DUBLIN	349,594	"	30	247	280	41.8	-	15	1	1	2	2
CALCUTTA	466,460	Nov.	11	- 1	307	34.3	4	1	-7-	1	3-1	102†
BOMBAY	821,764	Dec.	. 5	288	995	63.0	18	15	?	.?	. 3	241†
MADRAS	452,518	99	1	409	328	37.6	1-1	2	7	. ?	?	99
PARIS	2,511,629	- 11	23	1098	1156	23.9	-	4	4	. 5*	1	-11
BRUSSELS	561,130	"	23	246	269	24.9	- 1	-	+	6*	1	5
AMSTERDAM -	517,595	99	16	339	180	17.9			-3	1	1	-1
ROTTERDAM -	315,305	"	16	228	139	22.7		3	1	3	2	2
THE HAGUE -	199,285	99	16	110	57	14.9	- 1	1	-	1-1	1	15-1
COPENHAGEN -	349,000	"	23	184	146	21.8	-	-	1	1	5	-
STOCKHOLM -	291,580	93	16	147	104	18:5	-	-	- "	9*	1-	1 - 1
CHRISTIANIA -	221,255	- 99	23	154	66	15.5	1- 1	-		-	1	- 1
ST. PETERSBURG	1,132,677	"	16	560	602	27.7	2	13	19	28	5	13
Moscow	988,610	"	16	-	536	28.3	1	7	10	17	2	2
BERLIN	1,818,517	99	9	881	572	16.2	-	9	16	14	12	4
HAMBURG	675,351	23	23		211	16.2	-		3	2*	2	1.
DRESDEN	397,300	"	2	-	-		- 1	-	-	-	-	
BRESLAU MUNICH	406,012	39	23	1 7 3 3	201	25.8	7.1	3	4	-	3	1
	445,000	"	23		170		17		-	151	3-11	97
VIENNA PRAGUE	1,623,134	"	16	819	586	18.7	-	11	3	11*	2	1
BUDA-PESTH -	384,622 666,722	27	16	184	177	23.8	-1	3	7	5	4	3
TRIESTE	166,599	"	16	525 83	225 90	17.5	-	5	5 2	2	D. L.	-
ROME	508,779	"				28.0	-		2	1*	4-1	-
TURIN (10 days)	344,203	Nov.	10	251 225	188	19.3	-6	2	-	-	- 5-	12\$
VENICE	172,288	Dec.	9	85	149 90	15·8 27·2	-		-	1 4*	-1/1	1
CAIRO	570,062	Nov.	25			- 1 1				200		199
ALEXANDRIA -	319,766		25	470 243	366 169	- 33·4 27·6	1	-1	-	10*	2	3
NEW YORK	020,103	.,,	20	413	109	210	1	21	Will !	1	-	2
(including }	3,550,053	Dec.	9	1745	1193	17.5	_/-	11	6	40	9	20
BROOKLYN) PHILADELPHIA	1,266,832	25	16	1 1			-	_				
The second second		,,	-		214	The same	-		-	-	40 40	1
				1								

<sup>\*</sup> Including deaths from croup.
† Including 18 deaths from plague in Calcutta, and 135 in Bombay.
‡ Including 7 deaths from cholera in Calcutta, and 1 in Bombay.
§ Including 2 deaths from malarial fever.

														66							
Ozone,			15.	1.5	0.0	0.0	1.5	5.0	1.5	1.4	196	1	ns of oulb	the true	oles.	and and	ter,	ter.	ent,	eek ay; the	
in a Gauge whose receiving		surfacess 5inches above the Ground.	in.	0.00	0.10	0.00	0.18	0.52	0.00	8mm 0.20	96	lof tho	he mean e wet l	wenty y 868 for momete minim	m the m rical Tal bservat	moven ing 1875	ermome	ectrome	nstrum	same dend of	
on's.		Depar- ture from Average of	Miles.	000		-202	+ 17	+362	+336	Sum +373	100	our lowe	and that	ngthe trading labeled the trading labeled the trading and um and air (column)	grometro	rizontal	oftheth	ak; m.	nshinel	inning of on the n. by the	
Robinson's,		Horizontal Movement of the Air on each Day.	Miles.	023	240	66	319	999	642	Sum 2487	20	nidnight	sealeve L,and 9h nometer,	years e dry bu maxim	sher's Hy	the 16 year + indi	lexerror	lf-registe; w. we:	tokes Su.	the beg 7 11h. P.M to 29 17 i	
Oster's,	£. 110	Mean of 24 hourly obs.	lbs.	0.1	0.1	0.0	0.4	8.7	1.6	1:	66	htto n	luce to 3h.P.M therr by th	rds may wenty of the of	imidit by Gla rom a	and the	thein	on's se	obell-S	16 in. b creased	
	are Foo	Least.	Ibs.	0.0	0.0	0.0	0.0	0.0	0.0	1:	12	aidnig	s to recon; bulb	the the that adding ings	eters l	g 1890, icreco e in m	edfor	N. neg	The numbers in column 28, derived from the Campbell-Stokes Sunshine Instrument, show the aggregated duration of bright sunshine on each day.  The reading of the barometer decreased from 2948 in. at the beginning of the week to 2926 in. by Sh. A.M. on the 27th; increased to 2946 in. by Ill. P.M. on the same day;		
	Squ	Great-	1bs.	2.1	11	0.1	3.7	14.3	15.0	:	108	from n	adings A.M.; ne dry daily	graphi uring san re s read	value degree	sendin ometri	correct	from I			
	irection.	P.M.	W SW &	%.×.×.×.×.×.×.×.×.×.×.×.×.×.×.×.×.×.×.×	WSW.	& NNE.	ESE. SE.	S. SSW.	SW. & SSW.	able	19	vil day, or i	ed to the re aken at 9h. rrometer, the	f the photogeter, and dorrected moreote	erature and wet bulb the	the 50 years of the anem 24 it will be	n 17 arenoto	is derived	, derived from of bright	eter decrease 27th; inc P.M. on the	
	General Direction,	A.M.	S. & WSW		-	SSW. NNE., N.	-	SSE. & S.	SW.	Variable	18	The results apply to the civil day, or from midnight to midnight,	no correction has been applied to the readings to reduce to sea level.  Observations are usually taken at \$0 h. A., noon; \$0 h. P. M., and \$0 h. P. M. The means of the eye-readings of the barometer, the dry bulb thermometer, and the wet bulb thermometer, are converted into mean daily values by the application of corrections.	educted trong a discussion of the photographic records made during the twenty years ending 1868 for the educing 1873 for the barometer, and during the twenty years ending 1868 for the framometers. With the corrected mean reading of the mach dry bulb thermometer is combined the corrected mean of the readings of the maximum and minimum thermometers, forming the mean daily value of tennotature of the and continuous	mean daily dew point temperature and degree of humidity are deduced from the mean daily values of the dry and wet bulb the mometers by Ghaisher's Hygrometrical Tables. The average temperature of the air is that derived from a discussion of the observations	anded at viceonaric for during the 50 years ending 1890 and that of horizontal movement of the air from a discussion of the anemometrior ecords for the 16 years ending 1875.  In reading columns 8 and 24 th will be borne in mind that + indicates ** kighey. ** and the state of th	".tower," than the average. The valuesgiven in column 17 are not corrected for the index error of the thermometer, which cannot be determined.	The record of Electricity is derived from Thomson's self-registering Electrometer. The symbols employed are:—P. positive; N. negadive; w. weak; m. moderate; s. strong; and v. variable.	in column 28 gate duration	The reading of the barometer decreased from 2933 in, at the beginning of the week to 2925 in, by 5h. A.M. on the 27th; increased to 2926 in, by 1h. P.M. on the same day; decreased to 2928 in, by 5h. P.M. on the 28th; and increased to 2971 in, by the end of the	
Of the Earth 3 feet below the Surface,		42.48	42.43	42.48	42.35	42.52	45.00	42.27	42.32	17	sults ap	ection ha vations -reading neter, ar	deduced from a ending 1873 for thermometers. combined the thermometers, thermometers, it	aily dew dues of t	r from a ding col	aluesgiv	scord of mbols er	umbersi e aggreg	eading o in. by 51 ed to 28"		
f		Lowest on the Grass.	29.1	29.1	29.6	22.0	25.3	40.3	30.8	29.5	16	The re	obser Obser the eye	deduced ending thermor combine thermor	mean da daily va Theav	made at of the ai	The very	The re The syn	The na	to 29.26 i decrease	wеек.
Of Radiation		Highest in Sun's Rays.	0 46.1	46.9	48.2	32.8	44.8	6.99	2.08	6.09	15	2	1		1 2 1	100000		Strong Occa-	till		
of Hu- midity (Satu- ration equals 100).		equals 100).	88	83	89	98	95	77	11	84	14	σż	in bet ight fo	d pari night.	light r	after		y. S.	hroughout, Oc strong wind early morning,		
and Dew Point Temperature,	-	Least.	0.1	2.3	1.2	1.3	0.3	5.6	4.1	1.6	13	MARK	rith ra vith sl	lne an less at	quent	my in		showery.	strong	ariy m	
		Great- est.	5.5	8.5	5.4	5.4	2.5	0.8	13.7	0.2	12	GENERAL REMARKS	Overcast in morning, with rain between 4h. and 5h. A.M.; cloudy, with slight fog till evening; fine afterwards.	Overcast in morning; fine and partially, cloudy till evening; cloudless at night.	Overcast generally; frequent slight rain.	Cloudy generally; gloomy in afternoon Fog and hoar frost at night.	Overcast; frequent rain.	Generally overcast; showery.			
од Те	1	Mean daily value.	3.5	4.8	3.0	3.5	1.2	2.9	8.8	4.5	11										
Dew Doint.		Mean daily value.	36.4	32.4	36.1	24.6	35.4	41.1	34.7	34.4	10	GE	cast in	cast ir till ev	cast ge	dy ger d hoar	cast;	Generally 1sty wind	sional lightin Very fine afternoon. L		
Of the Air.	De-	parture from Average of 50 years.	+ 1:3	- 11	+ 0.1	-10.3	6.1 -	+ 9.5	+ 4.9	+ 0.4	6		Over 4h. and evening	Over	Over	Cloud Fog and	Over	Gene	Very	dite in	į
	-	Mean daily value.	39.6	37.2	39-1	28.1	36.6	47.8	43.5	38.8	8	Sun above Horizon, in hours.	2.8	7.8	8.2	8.2	8.1	8.1	7.8	Sum 54.6	29.
	-	Daily Range.	10.7	9.9	8.6	7.4	19.2	9.9	8.6	6.6	7	ered Su urs, in	0	6	0	0	0	0	es		80
	-	Low-est	33.0	34.3	32.8	25-4	25.3	44.6	38.3	33.4	9	Registered Sunshine in hours,	0.0	0.0	0.0	0.0	000	00	5.3	Sum 6.5	28
N	1	High-est.	9 43.7	6.04	42.6	32.8	44.8	2.09	48.1	43.3	5	Y. n of te.)	rally;	N. till P. till P. till after-	N. till after-	rally;	rally;	rally;	noon;	•	
daily reading (cor-		and reduced to 32° Fahrenheit).	in. 29.836	29-742	29.349	29.356	29.111	28.457	t 29.014	29.266	4	ELECTRICITY. (For explanation of symbols, see Note.)	w. P. generally; v. N. between 4h. and 5h. A.M.	v. P. and w. N. till 5h. A.M.; w. P. till 10h. A.M.; m. P. till 7h. P.M.; s. P. after-	v. P. and v. N. till 6h. P.M.; w. P. after- wards. m. P. generally occasional v. P.	w. P. generally v. N. at night.	w. P. generally occasional w. N.	w. P. till no m. P. afterwards.		27	
Phases of the Moon.			:	Last	rarrer	:	:	:	Greatest Dec. S.		3	ELI (For e symb	v. N. be 5h. A.M.	v. P. 5h. A.N 10h. A. 7h. P.M.	v. P. and v. N. till 6h. P.M.; w. P. after-	m. I m. I occasio	v. N. at	w. I occasio	W. I		
	4	МОМТН АКБ	ER 24	- 25	- 26	.Y 27	- 28	- 29	- 30	1	- uu	IR.	- 24	- 25	- 26	.x 27	- 28	- 29	- 30		1
CCOT	M. Committee		DECEMBER.	MONDAY .	TUESDAY -	WEDNESDAY	THURSDAY-	FRIDAY -	SATURDAY-	MEANS	No. of Column	DECEMBER	SUNDAY -	MONDAY	TUESDAY .	WEDNESDAY	THURSDAY-	FRIDAY	SATURDAY		No. of Col
-	-						-		-				02		•		-		-		

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